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Attorney for Plaintiff Shen Engineers, Inc.

**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF UTAH, CENTRAL DIVISION**

SHEN ENGINEERS, INC., a Utah Corporation,

Plaintiff,

vs.

RICHARD BRIGHTON, an individual, d/b/a
BRIGHTON ARCHITECTURAL GROUP,

Defendant.

**SECOND AMENDED
COMPLAINT**

JURY DEMAND

Case No. 2:22-cv-00624-CMR

Judge Cecilia M. Romero

Plaintiff Shen Engineers, Inc. (“Shen”) hereby alleges against Defendant Richard Brighton, d/b/a Brighton Architectural Group (“Brighton”) as follows:

PARTIES

1. Plaintiff Shen is a Utah corporation having a principal place of business in Salt Lake County, Utah.

2. On information and belief, Defendant Richard Brighton is an individual residing in Summit County, Utah.

JURISDICTION AND VENUE

3. This Court has subject matter jurisdiction pursuant to 28 U.S.C. §§ 1338(a).

Personal jurisdiction is present, as Defendant resides in this district and the actions alleged herein occurred in this district. Supplemental jurisdiction is provided over the state law claims pursuant to 28 U.S.C. § 1367.

4. Venue is proper under 28 U.S.C. §§ 1391 and 1400(a), as Defendant resides or is found in this district and the actions complained of occurred in this district.

GENERAL ALLEGATIONS

5. Shen is a professional engineering firm which provides, among other things, architectural engineering services to house designers and architects.

6. Shen has been providing engineering services to the public in Utah for more than 25 years.

7. Architects and home designers create the floor plans and elevations for a building they desire to be built. Structural engineers like Shen then perform the engineering calculations to ensure that the building has proper structural support and will otherwise be structurally sound. The structural engineers then produce engineering plans with instructions and drawings on how to build the structure to ensure that the building will be structurally sound.

8. If a building which has been engineered by an engineering firm were to collapse, the engineering firm is likely to be sued and may face considerable liability.

9. Brighton provides architectural services under the name Brighton Architectural Group.

10. In 2017 Brighton contracted with Shen to provide engineering plans for five architectural plans that Brighton designed. A copy of engineering plans titled Highstar Cabin 2500 is attached hereto as Exhibit A.

11. A copy of engineering plans titled Highstar Cabin 2800 is attached hereto as Exhibit B.

12. A copy of engineering plans titled Highstar Cabin 2050 is attached hereto as Exhibit C.

13. A copy of the engineering plans titled Highstar Cabin 3300 is attached hereto as Exhibit D.

14. A copy of the engineering plans titled New Cabin is attached hereto as Exhibit E.

15. At no time has Shen ever been an employee of Brighton.

16. Brighton has never paid taxes on behalf of Shen,

17. Brighton has not controlled the location, work hours or means of Shen preparing its engineering plans.

18. Brighton and Shen did not have a written instrument signed by them that any of Shen's work shall be considered a work made for hire.

19. Houses based on Brighton's architectural plans were intended to be built in Kamas, Utah.

20. Shen's standard agreement allows his clients to use Shen's engineering plans for a single building. Each subsequent use requires the payment of a reuse fee and Shen confirms that

the engineering plans are appropriate for the second or subsequent building as any modifications may require modification to the engineering plans.

21. Brighton paid for engineering plans for each of the five architectural plans Brighton created and later paid Shen for one reuse for each of two different engineering plans.

22. Unbeknownst to Shen, Brighton assisted his client in obtaining permits to build approximately twenty additional homes using Shen's engineering plans.

23. As part of that effort, Brighton made photocopies of Shen's engineering plans so that they could be used to acquire building permits for Brighton's client to build the additional houses.

24. Brighton's architectural plans for the subsequent houses were not provided to Shen and Shen was not able to confirm that the engineering plans that Shen created for the original plans were appropriate for the subsequent Brighton architectural plans.

25. On information and belief, Brighton made more than twenty photocopies of Shen's engineering plans and used them without Shen's permission so that Brighton's client could obtain building permits.

26. Brighton charged Highstar five thousand dollars (\$5000.00) for a reuse fee for each of his plans, but failed to pay Shen a reuse fee each time Brighton copied Shen's engineering plans and provided them to Highstar.

27. On information and belief, Brighton left Shen's name on each set of engineering plans Brighton made – thereby giving the false impression that Shen was endorsing the structural worthiness of each of the houses.

28. On information and belief, if Shen's name and associated information had not been on the copied engineering plans, they would not have been usable to obtain building permits.

29. Brighton's conduct has created likelihood of confusion as to Shen's endorsement of the photocopied engineering plans and may result in Shen being sued for engineering plans which were used without Shen's permission.

30. On information and belief, Brighton charged his client for reuse of Brighton's architectural plans and Shen's engineering plans for each of the subsequent houses built.

COUNT I

(Copyright Infringement, 17 U.S.C. § 501)

31. Plaintiff realleges the allegations set forth above as if fully set forth herein.

32. Shen is the owner of U.S. Copyright Registration No. VA 2-316-352 (the '352 registration) for technical drawings titled Highstar Cabin 2500. A copy of the registration certificate is attached hereto as Exhibit F.

33. Shen is the owner of U.S. Copyright Registration No. VA 2-319-648 (the '648 registration) for technical drawings titled Highstar Cabin 2800. A copy of the registration certificate is attached hereto as Exhibit G.

34. Shen is the owner of U.S. Copyright Registration No. VA 2-319-674 (the '674 registration) for technical drawings titled Highstar Cabin 2050. A copy of the registration certificate is attached hereto as Exhibit H.

35. Shen is the owner of U.S. Copyright Registration No. VA 2-330-718 (the ‘718 registration) for technical drawings titled Highstar Cabin 3300. A copy of the registration certificate is attached hereto as Exhibit I.

36. Shen is the owner of U.S. Copyright Registration No. VA 2-300717 (the ‘717 registration) for technical drawings titled New Cabin 2050. A copy of the registration certificate is attached hereto as Exhibit J.

37. Shen is the owner of U.S. Copyright Registration No. TX 9-169-886 (the ‘886 registration) for the text contained in the engineering plans for Highstar Cabin 2500. A copy of the registration certificate is attached hereto as Exhibit K.

38. The Highstar Cabin 2500 technical drawings are the engineering plans prepared for Brighton’s architectural plans for the “Summit” design.

39. The Highstar Cabin 2800 technical drawings are the engineering plans prepared for Brighton’s architectural plans for the “Uinta” design.

40. The Highstar Cabin 2050 technical drawings are the engineering plans prepared for Brighton’s architectural plans for the “Gateway” design.

41. The Highstar Cabin 3300 technical drawings are the engineering plans prepared for Brighton’s “Wasatch” design.

42. The Highstar 2500 text is the explanations used in the plans prepared for Brighton’s architectural plans for the Summit design and derivatives thereof are used in the other engineering plans created for Brighton by Shen.

43. Brighton had access to the Highstar Cabin 2500 technical drawings and the text as Shen charged Brighton \$2500 for a set of the engineering plans and provided the plans to Brighton.

44. Brighton paid Shen \$1250 for one reuse of the Highstar 2500 engineering plans.

45. Brighton had access to the Highstar Cabin 2800 technical drawings as Shen charged Brighton for a set of the engineering plans and provided the plans to Brighton.

46. Brighton had access to the Highstar Cabin 2050, Highstar Cabin 3300 and New Cabin technical drawings as Shen charged Brighton for a set of the engineering plans and provided the plans to Brighton.

47. On information and belief, Brighton made approximately fifteen photocopies of the Highstar Cabin 2500 engineering plans without Shen's permission and used them to obtain building permits for houses based on Brighton's architectural plans.

48. On information and belief, Brighton made at least three photocopies of the Highstar Cabin 2800 engineering plans without Shen's permission and used them to obtain building permits for houses based on Brighton's architectural plans.

49. On information and belief, Brighton made at least four photocopies of the Highstar Cabin 2050 engineering plans without Shen's permission and used them to obtain building permits for houses based on Brighton's architectural plans.

50. On information and belief, Brighton made at least two photocopies of the Highstar 3300 engineering plans without Shen's permission and used them to obtain building permits for houses based on Brighton's architectural plans.

51. On information and belief, Brighton made photocopies not accounted for above which used the text from the Highstar Cabin 2500 engineering plans, or derivatives thereof, without Shen's permission and used them to obtain building permits for houses based on Brighton's architectural plans.

52. The photocopies made by Brighton were substantially similar to the originals created by Shen.

53. Wherefore, Shen makes a claim against Brighton for copyright infringement.

COUNT II

(False Endorsement, 15 U.S.C. § 1125(a))

54. Shen realleges the preceding paragraphs and further alleges:

55. Shen has been operating as Shen Engineers, Inc. in Utah for more than 23 years and has common law rights in the name Shen Engineers, Inc.

56. Shen marks its work product with its name so that the public associates Shen with its work.

57. Brighton made more than twenty copies of engineering plans created by Shen and pared them with architectural plans drawn by Brighton to obtain building permits.

58. Brighton used the Shen engineering plans to falsely suggest that Shen had approved the plans with which the Shen engineering plans were submitted.

59. The copies made by Brighton contain Shen's name, creating a likelihood of confusion that Shen has endorsed the use of the engineering plans with Brighton's architectural plans.

60. Shen was not given the opportunity to review the Brighton designs with which the Shen engineering plans were used and thus cannot verify that the Brighton plans are structurally sound.

61. Brighton's conduct has exposed Shen to the risk of being sued if one of the houses built according to Brighton's architectural plans were to collapse or be seriously damaged.

62. Wherefore, Shen makes a claim for false endorsement pursuant to the Lanham Act.

COUNT III

(Breach of Contract)

63. Shen realleges the preceding paragraphs and further alleges:

64. Shen provided engineering plans for architectural plans drawn by Brighton.

65. Pursuant to their agreement, Brighton was allowed a single use of each plan, with any additional uses requiring a reuse fee.

66. Brighton paid for the original engineering drawings and paid Shen reuse fees for one subsequent use of the engineering plans.

67. Brighton is familiar with reuse fees and charged Highstar a reuse fee of \$5,000.00 per reuse for his drawings, but failed to compensate Shen for the reuse of Shen's engineering plans.

68. Thereafter, Brighton made approximately twenty copies of Shen's engineering plans without informing Shen or paying the reuse fees.

69. Shen has requested Brighton to pay for the unauthorized uses, but Brighton has refused.

70. Wherefore, Shen makes a claim against Brighton for breach of contract.

COUNT IV

(Unjust Enrichment)

71. Shen realleges the preceding paragraphs and further alleges:

72. Brighton received a benefit by making copies of Shen's work without Shen's authorization.

73. Brighton was aware that Shen charges a reuse fee to use Shen's work for additional structures.

74. On information and belief, Brighton charged his client reuse fees for uses of Shen's work.

75. It would be unjust to allow Brighton to retain the benefit of using Shen's work without Shen's authorization and without compensation to Shen.

76. Wherefore, Shen makes a claim against Brighton for unjust enrichment.

WHEREFORE, Plaintiff prays this Honorable Court:

A. For an award of damages for each infringement of Shen's copyrights pursuant to 17 U.S.C. § 504 in an amount of: (1) Shen's actual damages, and (2) for Defendant's profits.

B. For an impoundment order requiring that all infringing works be destroyed.

C. For an injunction barring Defendant from ever again making copies of Shen's engineering plans without authorization.

D. For an award of damages caused by Brighton's use of Shen's name to create a false endorsement.

E. For injunctive relief against Brighton from using Shen's name or work without authorization.

F. For damages for Brighton's breach of contract.

G. For an award to Shen for Brighton's unjust enrichment.

H. For such other relief as the Court considers just.

I. Plaintiff demands a trial by jury on all matters so triable.

DATED: _____.

BATEMAN IP

/s/ Randall B. Bateman

Randall B. Bateman

299 South Main Street, Suite 1300

Salt Lake City, UT 84111

Attorney for Plaintiff Shen Engineers, Inc.

CERTIFICATE OF SERVICE

I hereby certify that I served a copy of the foregoing First Amended Complaint on counsel for Defendant via First Class Mail and email as follows on _____:

Robert Aycock
William Chadwick
KIMBALL ANDERSON
649 E. South Temple, 2nd Floor
Salt Lake City, UT 84102

Robert@kimballanderson.com

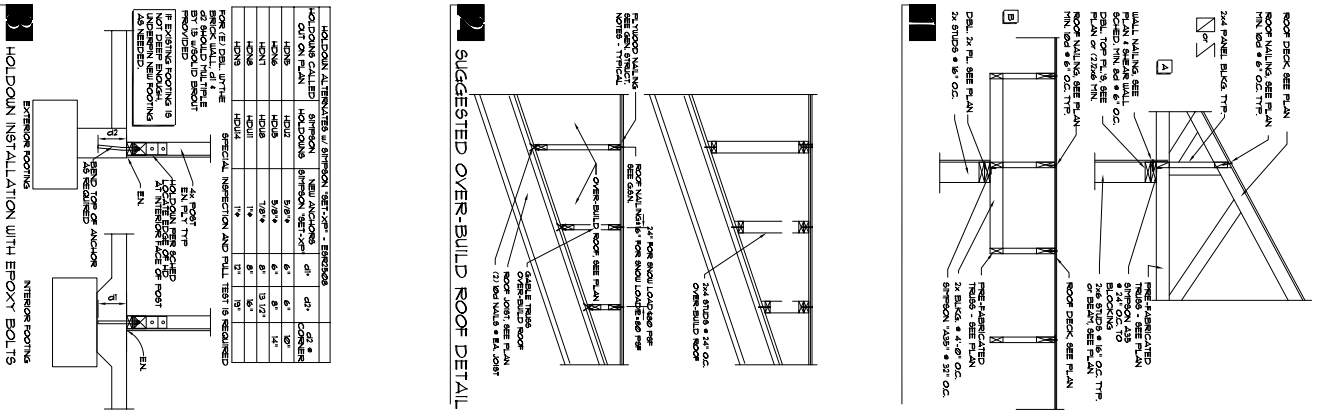
Will@kimballanderson.com

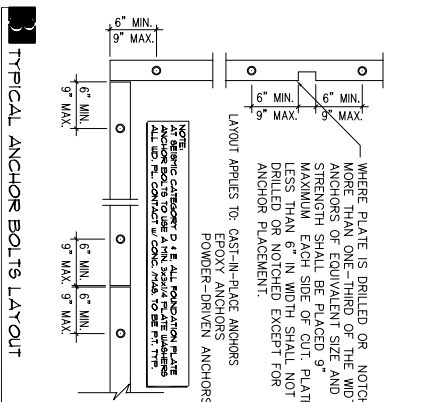
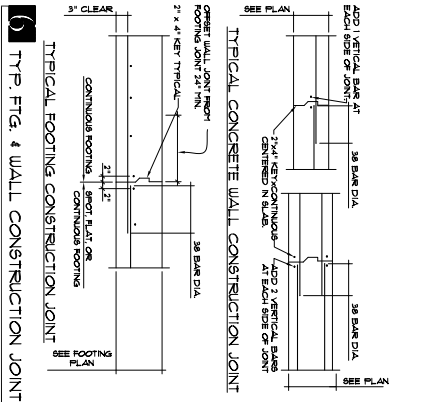
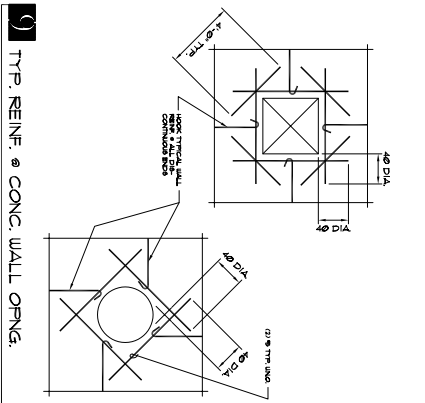
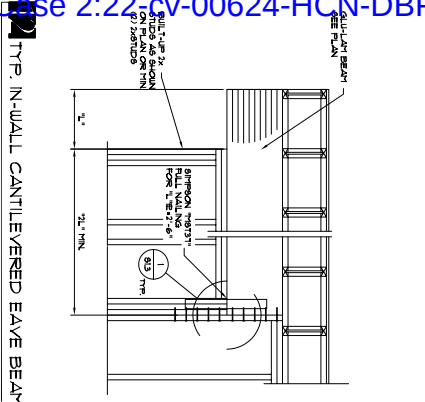
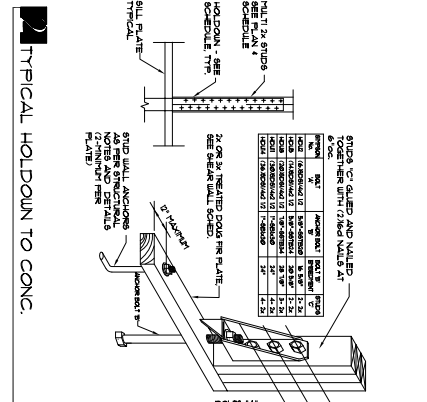
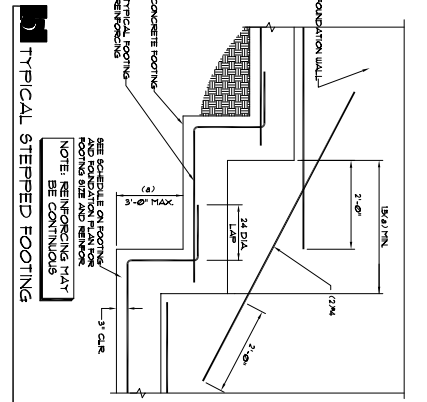
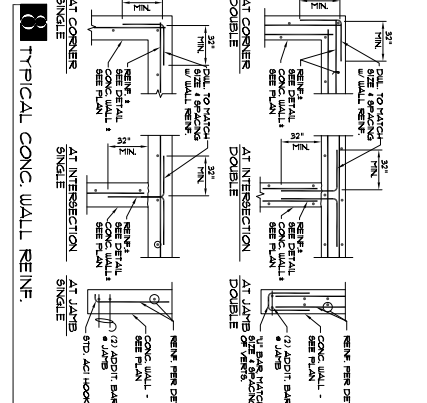
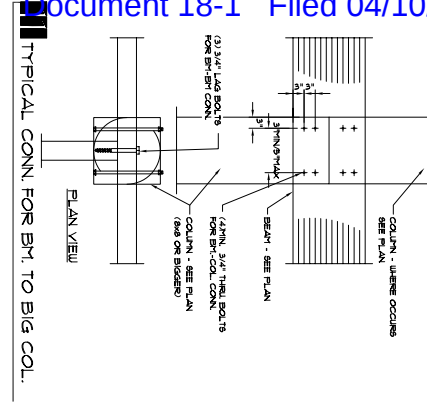
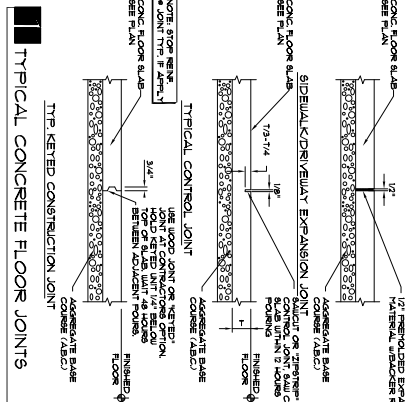
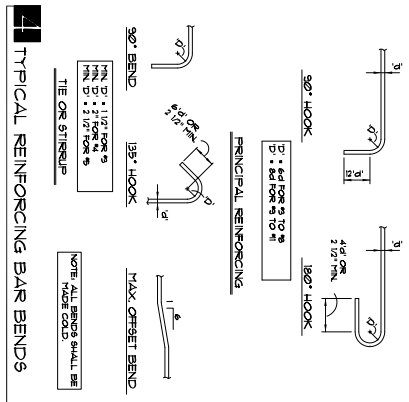
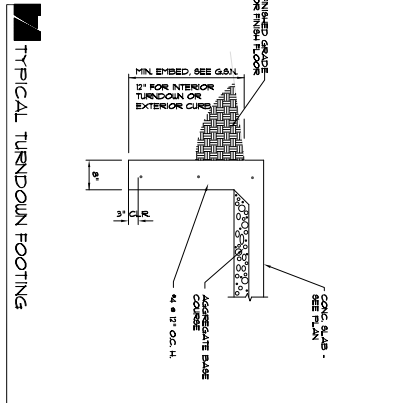
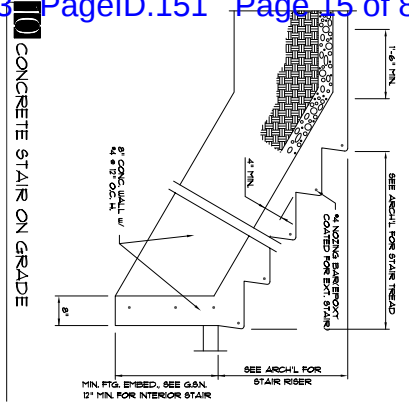
/s/ Randall B. Bateman

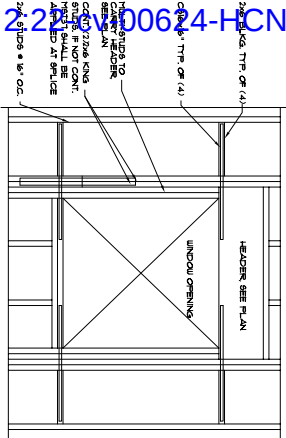
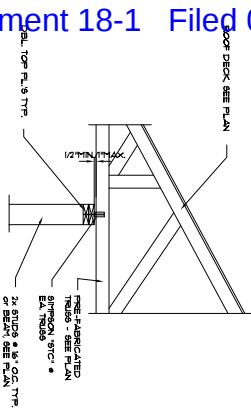
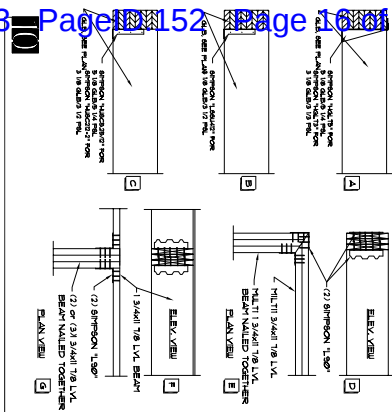
EXHIBIT A

A. DIMENSIONAL LUMBER ALL TO BE GRADE STAMPED PER N. WOOD;

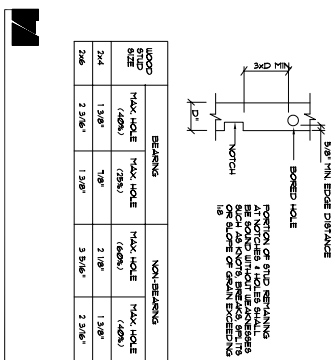
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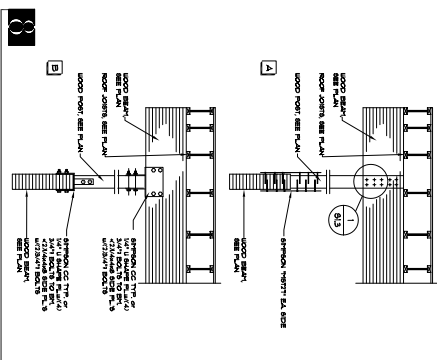




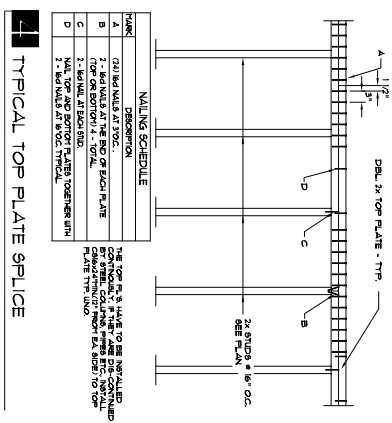
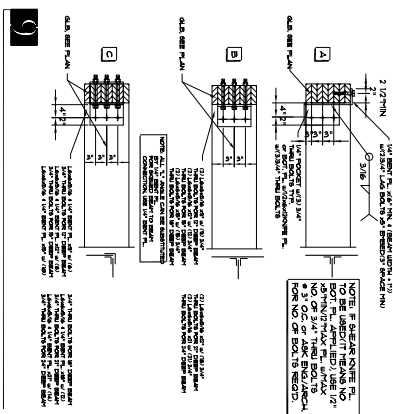
TRUSS TO NON-BRG. WALL CONNECTION



WOOD STUD SIZE	BEARINGS		NON-BEARINGS	
	MAX. HOLE (40%)	MAX. HOLE (75%)	MAX. HOLE (60%)	MAX. HOLE (40%)
2x4	1 3/8"	7/8"	2 1/8"	1 3/8"
2x6	2 3/8"	1 3/8"	3 5/8"	2 3/8"



C

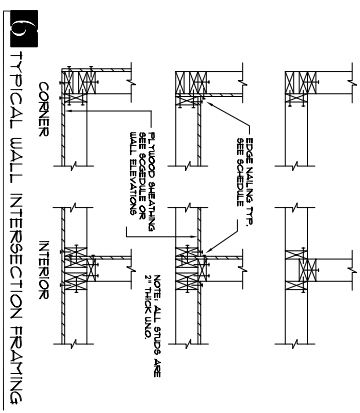


NAILING SCHEDULE	
MARK	DESCRIPTION
A	2x4 16d NAILS AT 30C.
B	2 • 16d NAILS AT THE END OF EACH PLATE (TOP OR BOTTOM) 4 • TOTAL
C	2 • 16d NAIL AT EACH END.
D	NAIL TOP AND BOTTOM PLATES TOGETHER WITH 2 • 16d NAILS AT W/O.C. TYPICAL

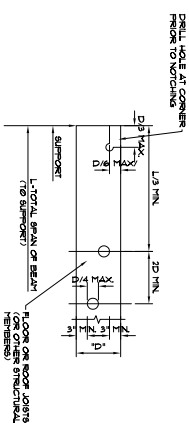
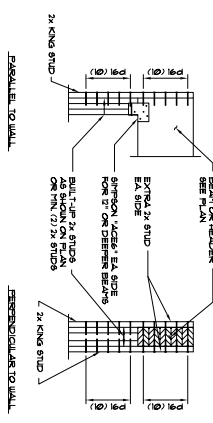
4 TYPICAL TOP PLATE SPLICE

NAIL/STAPLE EQUIVALENT TABLE.									
FLOORS AND ROOF									
NAILS			STAPLES						
SIZE	SPACING	SIZE	SPACING	LENGTH					
8d	6"	14 GA.	6"	SPACING	1 1/2"				
8d	3"	14 GA.	3"	2 1/2"	1 1/2"				
8d	2"	14 GA.	2"	2 1/2"	1 1/2"				
8d	1 1/2"	14 GA.	1 1/2"	2 1/2"	1 1/2"				
8d	1"	14 GA.	1"	2 1/2"	1 1/2"				
8d	3/4"	14 GA.	3/4"	2 1/2"	1 1/2"				
8d	1/2"	14 GA.	1/2"	2 1/2"	1 1/2"				
* N 3/4" PLYWOOD USE 7" STAPLES									
WALL									
3/8" PLYWOOD									
8d	6"	14 GA.	6"	1 3/8"					
8d	3"	14 GA.	3"	1 3/8"					
8d	2"	14 GA.	2"	1 3/8"					
1 1/2" PLYWOOD									
8d	6"	14 GA.	6"	1 1/2"					
8d	4"	14 GA.	4"	1 1/2"					
8d	3"	14 GA.	3"	1 1/2"					
8d	2"	14 GA.	2"	1 1/2"					
8d	1 1/2"	14 GA.	1 1/2"	1 1/2"					
8d	1"	14 GA.	1"	1 1/2"					
8d	3/4"	14 GA.	3/4"	1 1/2"					
8d	1/2"	14 GA.	1/2"	1 1/2"					

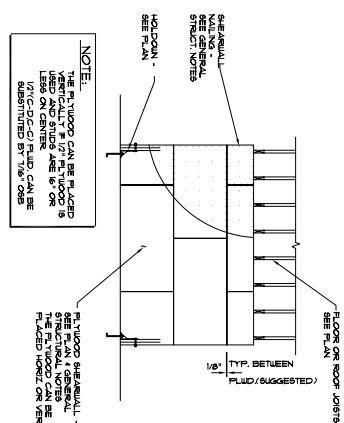
7) NAIL/STAPLE EQUIVALENT TABLE



6 TYPICAL WALL INTERSECTION FRAMING



**TYPICAL WOOD HEADER OR BEAM TO
MULTI-STUDS CONNECTION**



TYPICAL SHEAR WALL ELEVATION

SCHEMATIC FOR DISPOSITION MANAGER ON JOIST TRP.	
DISP. BEAMS AND JOIST TRP.	FACE POINT
1. 2" x 8" SERIES	FACE POINT
2. 2" x 10" SERIES	FACE POINT
3. 2" x 12" SERIES	FACE POINT
4. 2" x 14" SERIES	FACE POINT
5. 2" x 16" SERIES	FACE POINT
6. 2" x 18" SERIES	FACE POINT
7. 2" x 20" SERIES	FACE POINT
8. 2" x 22" SERIES	FACE POINT
9. 2" x 24" SERIES	FACE POINT
10. 2" x 26" SERIES	FACE POINT
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12. 2" x 30" SERIES	FACE POINT
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14. 2" x 34" SERIES	FACE POINT
15. 2" x 36" SERIES	FACE POINT
16. 2" x 38" SERIES	FACE POINT
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19. 2" x 44" SERIES	FACE POINT
20. 2" x 46" SERIES	FACE POINT
21. 2" x 48" SERIES	FACE POINT
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23. 2" x 52" SERIES	FACE POINT
24. 2" x 54" SERIES	FACE POINT
25. 2" x 56" SERIES	FACE POINT
26. 2" x 58" SERIES	FACE POINT
27. 2" x 60" SERIES	FACE POINT
28. 2" x 62" SERIES	FACE POINT
29. 2" x 64" SERIES	FACE POINT
30. 2" x 66" SERIES	FACE POINT
31. 2" x 68" SERIES	FACE POINT
32. 2" x 70" SERIES	FACE POINT
33. 2" x 72" SERIES	FACE POINT
34. 2" x 74" SERIES	FACE POINT
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36. 2" x 78" SERIES	FACE POINT
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38. 2" x 82" SERIES	FACE POINT
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60. 2" x 126" SERIES	FACE POINT
61. 2" x 128" SERIES	FACE POINT
62. 2" x 130" SERIES	FACE POINT
63. 2" x 132" SERIES	FACE POINT
64. 2" x 134" SERIES	FACE POINT
65. 2" x 136" SERIES	FACE POINT
66. 2" x 138" SERIES	FACE POINT
67. 2" x 140" SERIES	FACE POINT
68. 2" x 142" SERIES	FACE POINT
69. 2" x 144" SERIES	FACE POINT
70. 2" x 146" SERIES	FACE POINT
71. 2" x 148" SERIES	FACE POINT
72. 2" x 150" SERIES	FACE POINT
73. 2" x 152" SERIES	FACE POINT
74. 2" x 154" SERIES	FACE POINT
75. 2" x 156" SERIES	FACE POINT
76. 2" x 158" SERIES	FACE POINT
77. 2" x 160" SERIES	FACE POINT
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79. 2" x 164" SERIES	FACE POINT
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81. 2" x 168" SERIES	FACE POINT
82. 2" x 170" SERIES	FACE POINT
83. 2" x 172" SERIES	FACE POINT
84. 2" x 174" SERIES	FACE POINT
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93. 2" x 192" SERIES	FACE POINT
94. 2" x 194" SERIES	FACE POINT
95. 2" x 196" SERIES	FACE POINT
96. 2" x 198" SERIES	FACE POINT
97. 2" x 200" SERIES	FACE POINT
98. 2" x 202" SERIES	FACE POINT
99. 2" x 204" SERIES	FACE POINT
100. 2" x 206" SERIES	FACE POINT
101. 2" x 208" SERIES	FACE POINT
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106. 2" x 218" SERIES	FACE POINT
107. 2" x 220" SERIES	FACE POINT
108. 2" x 222" SERIES	FACE POINT
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110. 2" x 226" SERIES	FACE POINT
111. 2" x 228" SERIES	FACE POINT
112. 2" x 230" SERIES	FACE POINT
113. 2" x 232" SERIES	FACE POINT
114. 2" x 234" SERIES	FACE POINT
115. 2" x 236" SERIES	FACE POINT
116. 2" x 238" SERIES	FACE POINT
117. 2" x 240" SERIES	FACE POINT
118. 2" x 242" SERIES	FACE POINT
119. 2" x 244" SERIES	FACE POINT
120.	

ON STRUCTURAL PLANS AND DETAILS
 THERE ARE SOME OPTIONS ARCHITECTS
 PLEASE SPECIFY THE OPTIONS AS F.C.
 THE OPTIONS CONTRACT ADDENDUM TO
 CLARIFY THEIR TYPE UNO.

NOTE FOR ALL (2) 3441 TALL, 6M
PROVIDER HN: 12266 AS BDO BEHAVIOR
TRF. INFO.

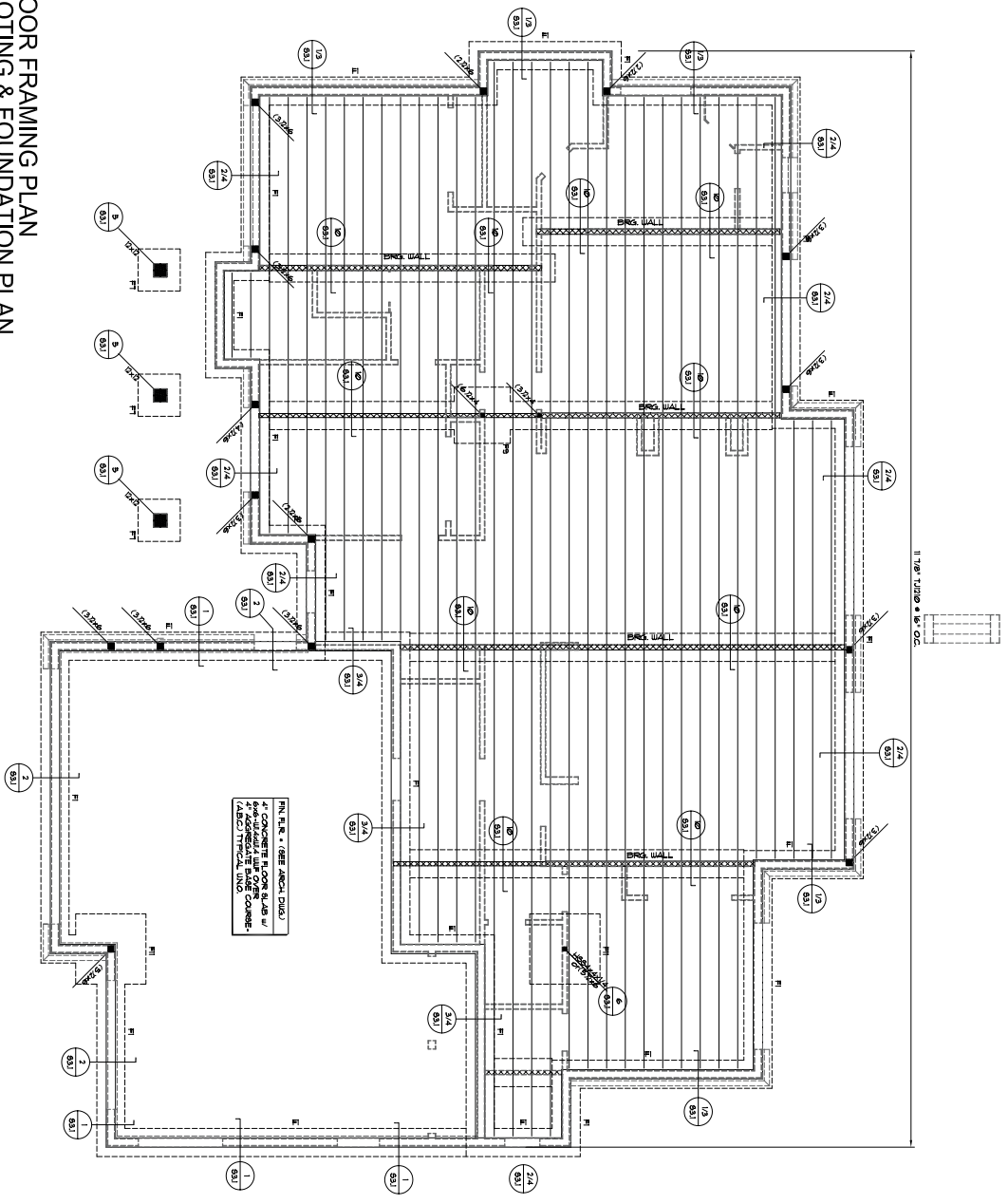
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<p>FLOOR FINISHING PLAN NOTES:</p> <ol style="list-style-type: none"> 1. SEE GENERAL STRUCTURAL NOTES AND STANDARD FINISHING DETAILS FOR A. GENERAL FINISHING NOTES B. TYPICAL SLOPE DETAIL C. TYPICAL FOR PLATE SLICE DETAIL D. TYPICAL FOR SLICE DETAIL 2. HON. 1" HAZARD SEE HAZARD SCHEDULE SPECIFICATIONS 3. ALL FLOOR FINISHING ARE TO BE 1/8" T/12" THICK, UNDO 4. EXISTING AND VARIOUS ALL OPENINGS 4 INCHES FOR MECHANICAL ELECTRICAL PLUMBING WITH THE APPROXIMATE TRIMMED TO CONSTRUCTION 5. HAZARD CRIT. MS. CRACKS ARE OTHER

1. SEE GENERAL STRUCTURAL NOTES SHEET FOR A. GENERAL CONCRETE DETAIL, B. GENERAL STRUCTURAL NOTES C. GENERAL EXCAVATION ADJACENT TO FOUNDATION PLAN NOTES:

DATE

2 FLOOR FRAMING PLAN
FOOTING & FOUNDATION PLAN



FOOTING SCHEDULE				BASED ON 100% BEARING 1" LONG 1" DIA. CONCRECTION VERTICAL IT
MARK	SIZE	REINFORCING	REMARKS	
F1	2'-6" x CONT. x 2'	(2) #3/4" CONT.		
F2	3'-6" x CONT. x 2'	(2) #3/4" CONT.		
F3	3'-0" x CONT. x 2'	(3) #3/4" CONT.		
F4	1'-4" x CONT. x 2'	(2) #4" CONT.	THICKENED SLAB	
F5	2'-0" x CONT. x 2'	(3) #3/4" CONT.	THICKENED SLAB	
F6	2'-6" x 60" x 2'	(2) #4" ELL.		
F7	3'-0" 60" x 2'	(3) #4" ELL.		
F8	4'-0" 60" x 2'	(4) #4" ELL.		
F9	4'-0" 60" x 2'	(4) #4" ELL.		
F10	4'-4" 60" x 2'	(5) #4" ELL.		
F11	5'-0" 60" x 2'	(5) #4" ELL.		
F12	5'-6" 60" x 2'	(6) #4" ELL.		
F13	6'-0" 60" x 2'	(6) #4" ELL.		
F14	7'-0" 60" x 4"	(6) #4" ELL.		
F15	8'-0" 60" x 4"	(8) #4" ELL.		
F16	4'-0" x CONT. x 2'	THICKENED SLAB		
F17	5'-0" 60" x 4"	(7) #4" ELL.		

CONCRETE POLE NOTES:

1. VERIFY THE STEP LOCATIONS AND HEIGHT IN FIELD CONTINUOUS THROUGH FIRST WIND BREAK AT CORNERS. LAP STEPS 6 BAR DIAMETERS AT STEPS AND 4 BAR DIAMETERS AT CORNERS. STEPS SHALL BE PROTECTED AND SUPPORTED AND ALL REBAR IS IN PLACE AND SECURED.
2. DO NOT PERMIT THE GRADE TO DROP CLOSER THAN 6" TO TOP OF POLE.
3. FOR FOUNDATIONS BEING INSTALLED ON ONE SIDE OF POLE, FOUNDATIONS SHALL NOT BE INSTALLED ON ONE SIDE OF POLE UNTIL THE OTHER SIDE OF POLE IS COMPLETED. PROVIDE A 1" FIBER GLOVE JACKET CONNECTION OF FIBRE AND FOUNDATION.
4. FOUNDATION SHALL BE SETTING UNDER BOLT, ETC. WHICH ARE TO BE INSTALLED IN RESERVING. TREATED WOOD (E.G. TREATED PINE) SHALL BE USED FOR FOUNDATION. ALL REQUIREMENTS OF 9C 2004(A), 9C 2004(B) AND 9C 2004(C).
5. ALL LAMGAS FOR SUPPORTING GRASS ARE NOT-SPRINTED

[illegible]

TYPICAL FLOOR DECK:

3/4" PLATED LGS BEARING SPAN RATING 40-60
KNOCK DOWN JOISTS WITH 1/2" TYPICAL
GUE AND NAIL TO ALL JOISTS
B5 & 6 OC AT ALL PANEL DECK SUPPORTED
BY 6" OC AT ALL PANEL FIELD WALLS
B5 & 6 OC AT ALL PANEL FIELD WALLS
P-CLAVE BEARING LONG-LEG JOISTS PLATING,
5/16" X 6" X 10" IS LOCKED DIAPHRAGM

EXOTOXINS CALLED OUT ON PLAIN AISE SHIPMENT
SET FOR CRU APPLICATION (ICC EIGHTY) &
HITI HIT RE BOX 50 EXOTOXINS FOR CONC.
APPLICATIONS (ICC ESR 322).
THE INSTALLING REQUIREMENT FOR ANCHOR BOLTS
AND OR REBAR DOUGL. ARE AS FOLLOWS:
DIAGRAMS WILL BE PROVIDED, DERIVED FROM ANALYSIS DATA.
1/2" / 5/8" / 4 1/4" / 1 3/4" / 6 3/8"
5/8" / 3/4" / 1 1/2" / 1 7/8"
3/4" / 7/8" / 6 3/4" / 1 3/4" / 10 1/8"

DATE: 9/27/2017	SCALE
	AS NOTED
DRAWING NO: S2.1	DRAWING TITLE STRUCTURE

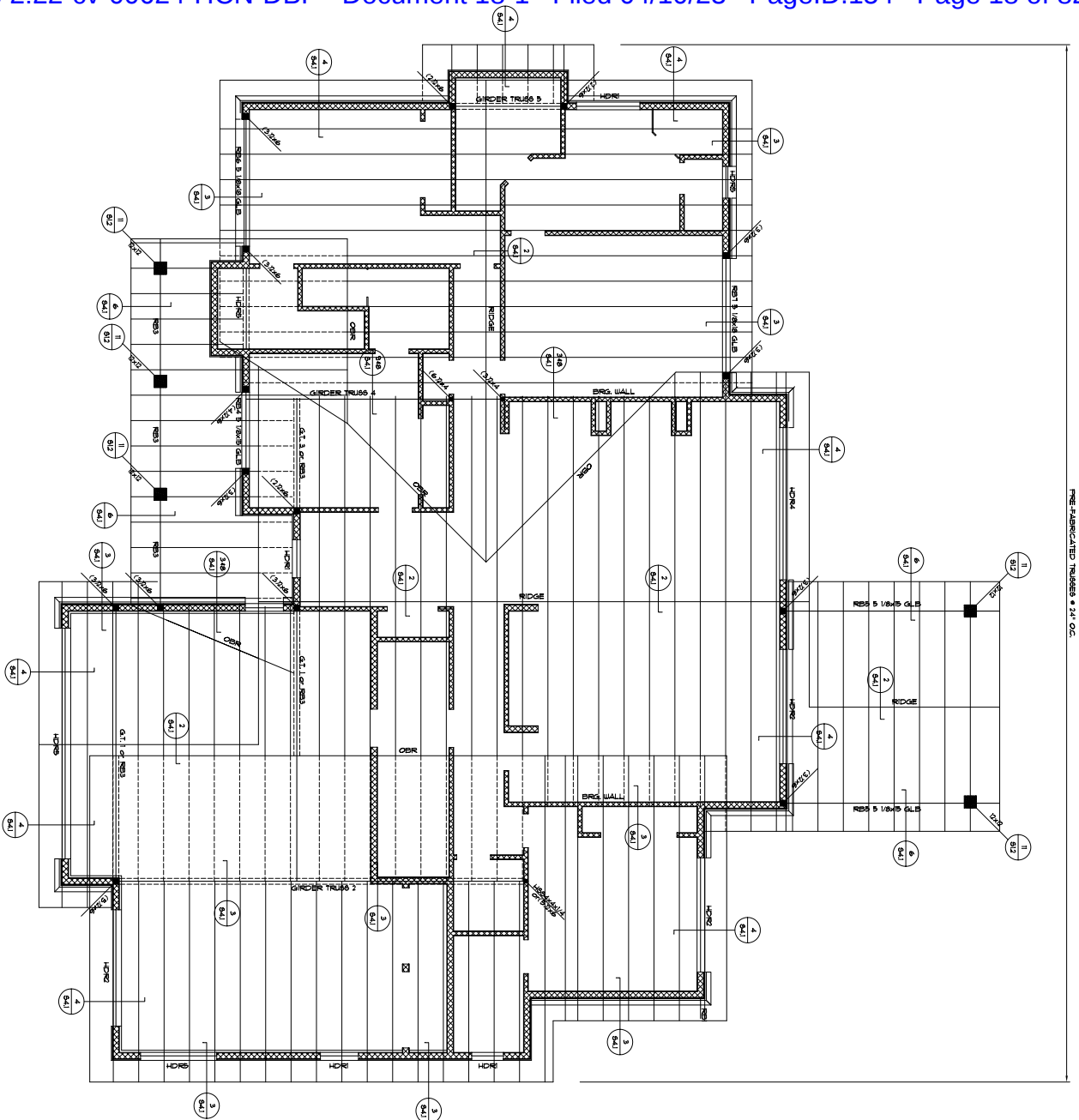
HIGHSTAR CABIN 2500
KAMAS CITY, UTAH
9E17374

SE Shen Engineers, Inc.
Structural/Seismic Consultants
2225 E. MURRAY HOLLADAY RD.
SUITE 200
HOLLADAY, UTAH 84117
801.271.2625
E-mail: sheneng@sean.com

NO.	REVISION	DATE

5 ROOF FRAMING PLAN

SCALE 1/4" = 1'-0"



ROOF TRUSS DESIGN CRITERIA

MARK	TOP CHORD DEAD LOAD	BEAM BOTTOM CHORD DEAD LOAD	TOP CHORD SNOW LOAD	TOTAL LOADS
REGULAR TRUSSES	5 PSF	5 PSF	50 PSF	110 PSF
CINDER TRUSSES	5 PSF	5 PSF	50 PSF	110 PSF

NOTE: SNOW DRIFT SHALL BE INCLUDED ON DESIGN IF APPLICABLE.
 IN IF A ROOF SNOW LOAD SHALL BE APPLIED TO LOWER ROOF SNOW DRIFTED SHALL PLAN FOR POINT LOADS TO CINDER TRUSSES IF APPLICABLE.

DUE TO FRONT LOADS TO GARDEN TRAILERS IF APPLIED.

A TRUSS PACKAGE MUST BE SUBMITTED TO THE BUILDING OFFICIAL AS A DEFERRED SUBMITTAL PRIOR TO SUBMITTING TO THE CITY. THE PACKAGE MUST BE REVIEWED BY THE ENGINEER OF RECORD AND STAMPED FOR GENERAL CONFORMANCE. NO TRUSSES ARE TO BE INSTALLED UNTIL APPROVED BY THE BUILDING OFFICIAL.

G.T. INDICATES GIRDER TRUSS TYPE.

FOR THOSE RUSSES RIGHT ABOVE THE DECK WALLS, A LATERAL LOAD OF 240 PLF ACTING ON TOP OF TRUSS WILL BE INCLUDED ON THE DESIGN OF TRUSSES TYP.

FE01 5 1/8x12 GLEB
FE02 1 (2X 3/4x11 7/8 LVL

ROOF FRAMING PLAN NOTE:

- [illegible]

HEADER SCHEDULE			
MARK	SIZE	END PROG.	REMARKS
HDR-1	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"
HDR-2	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"
HDR-3	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"
HDR-4	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"
HDR-5	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"
HDR-6	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"
HDR-7	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"
HDR-8	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"
HDR-9	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"
HDR-10	1/2" x 6"	172546	or 13.1 3/4" x 10.1 1/4"

NOTE:

1. ALL GULLAM BEAMS SHALL BE COMBINATION STEEL 24" x 24" FOR REGULAR BEAM AND 24"-x-36" FOR CANTILEVERED BEAM TYPICAL.
2. ALL GULLAM BEAMS TO BE ZERO CAMBER BEAMS UNO.
3. ALL THE T-JUNCTIONS SHALL BE NAIL ED TOGETHER

W/2) ROUB 16d @ 6" O.C. BOTH SIDES TYPICAL.

ONE KING STUD FOR OPEN, 1-0⁺ TO 5-0⁺
TWO KING STUDS FOR OPEN, 5-0⁺ TO 10-0⁺
THREE KING STUDS FOR OPEN, 10-0⁺ TO 5-0⁺
FOUR KING STUDS FOR OPEN, 5-0⁺ TO 10-0⁺

TYPICAL ROOF DECK

5/8" PLD/088 SHEATHING, SPAN RATING 32/6
SEE GENERAL STRUCTURAL NOTES-TYPICAL
NAILING

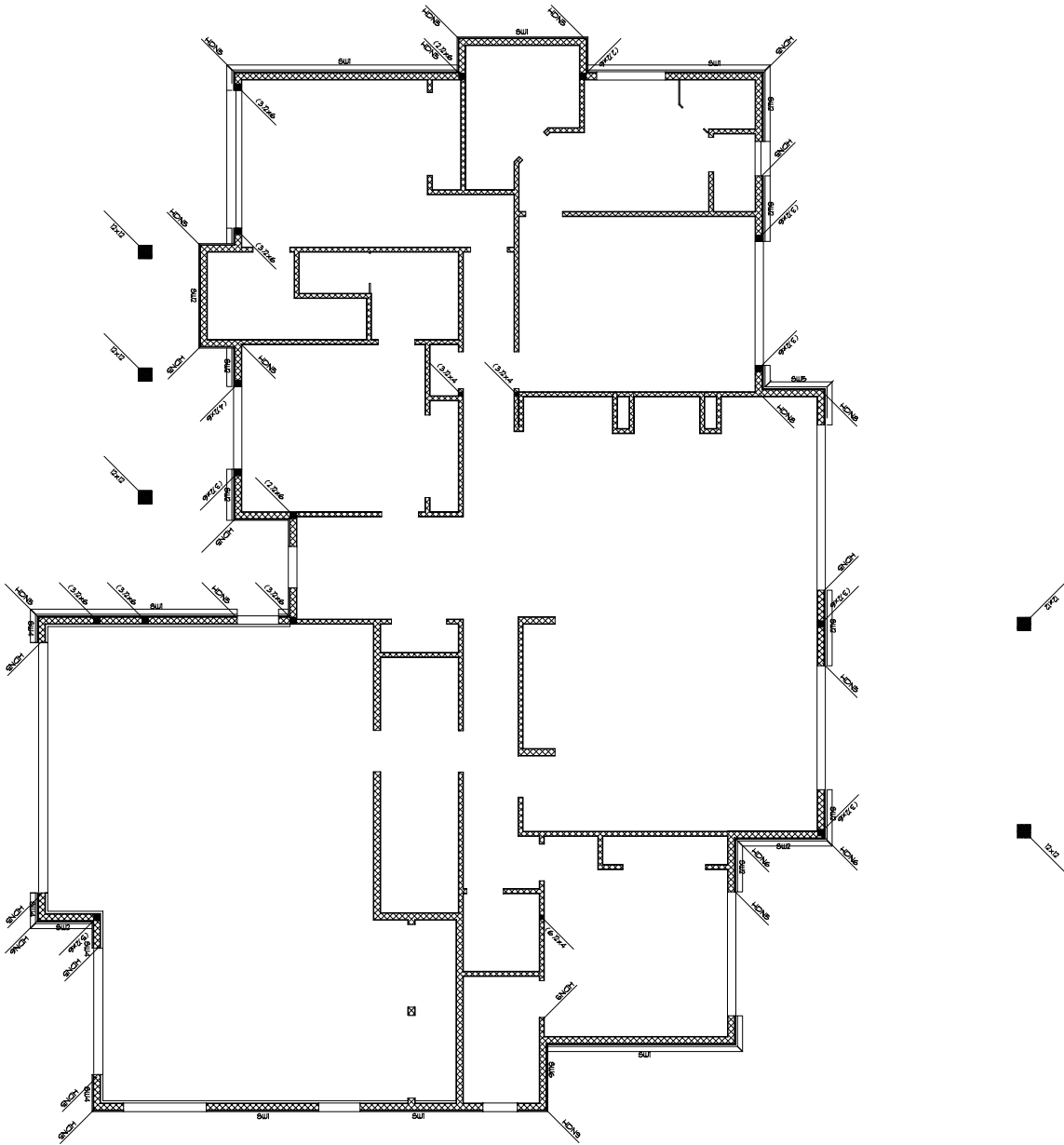
808 8" O.C. AT ALL PANEL EDGES, SPLICED EDGES AND ALL TOP OF SHEAR WALLS
804 8" O.C. AT ALL PANEL FIELD
PLACE SHEATHING LONG-WISE ACROSS FRAMING, STIFFER END JOINTS, INEL. OVER PARALLEL

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HOLDOWN & SHEARWALL PLAN

SCALE 1/4" = 1'-0"

[illegible][illegible]

1	1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1O, 1P, 1Q, 1R, 1S, 1T, 1U, 1V, 1W, 1X, 1Y, 1Z, 1AA, 1AB, 1AC, 1AD, 1AE, 1AF, 1AG, 1AH, 1AI, 1AJ, 1AK, 1AL, 1AM, 1AN, 1AO, 1AP, 1AQ, 1AR, 1AS, 1AT, 1AU, 1AV, 1AW, 1AX, 1AY, 1AZ, 1BA, 1BB, 1BC, 1BD, 1BE, 1BF, 1BG, 1BH, 1BI, 1BJ, 1BK, 1BL, 1BM, 1BN, 1BO, 1BP, 1BQ, 1BR, 1BS, 1BT, 1BU, 1BV, 1BW, 1BX, 1BY, 1BZ, 1CA, 1CB, 1CC, 1CD, 1CE, 1CF, 1CG, 1CH, 1CI, 1CJ, 1CK, 1CL, 1CM, 1CN, 1CO, 1CP, 1CQ, 1CR, 1CS, 1CT, 1CU, 1CV, 1CW, 1CX, 1CY, 1CZ, 1DA, 1DB, 1DC, 1DD, 1DE, 1DF, 1DG, 1DH, 1DI, 1DJ, 1DK, 1DL, 1DM, 1DN, 1DO, 1DP, 1DQ, 1DR, 1DS, 1DT, 1DU, 1DV, 1DW, 1DX, 1DY, 1DZ, 1EA, 1EB, 1EC, 1ED, 1EE, 1EF, 1EG, 1EH, 1EI, 1EJ, 1EK, 1EL, 1EM, 1EN, 1EO, 1EP, 1EQ, 1ER, 1ES, 1ET, 1EU, 1EV, 1EW, 1EX, 1EY, 1EZ, 1FA, 1FB, 1FC, 1FD, 1FE, 1FF, 1FG, 1FH, 1FI, 1FJ, 1FK, 1FL, 1FM, 1FN, 1FO, 1FP, 1FQ, 1FR, 1FS, 1FT, 1FU, 1FV, 1FW, 1FX, 1FY, 1FZ, 1GA, 1GB, 1GC, 1GD, 1GE, 1GF, 1GG, 1GH, 1GI, 1GJ, 1GK, 1GL, 1GM, 1GN, 1GO, 1GP, 1GQ, 1GR, 1GS, 1GT, 1GU, 1GV, 1GW, 1GX, 1GY, 1GZ, 1HA, 1HB, 1HC, 1HD, 1HE, 1HF, 1HG, 1HH, 1HI, 1HJ, 1HK, 1HL, 1HM, 1HN, 1HO, 1HP, 1HQ, 1HR, 1HS, 1HT, 1HU, 1HV, 1HW, 1HX, 1HY, 1HZ, 1IA, 1IB, 1IC, 1ID, 1IE, 1IF, 1IG, 1IH, 1II, 1IJ, 1IK, 1IL, 1IM, 1IN, 1IO, 1IP, 1IQ, 1IR, 1IS, 1IT, 1IU, 1IV, 1IW, 1IX, 1IY, 1IZ, 1JA, 1JB, 1JC, 1JD, 1JE, 1JF, 1JG, 1JH, 1JI, 1JJ, 1JK, 1JL, 1JM, 1JN, 1JO, 1JP, 1JQ, 1JR, 1JS, 1JT, 1JU, 1JV, 1JW, 1JX, 1JY, 1JZ, 1KA, 1KB, 1KC, 1KD, 1KE, 1KF, 1KG, 1KH, 1KI, 1KJ, 1KK, 1KL, 1KM, 1KN, 1KO, 1KP, 1KQ, 1KR, 1KS, 1KT, 1KU, 1KV, 1KW, 1KX, 1KY, 1KZ, 1LA, 1LB, 1LC, 1LD, 1LE, 1LF, 1LG, 1LH, 1LI, 1LJ, 1LK, 1LL, 1LM, 1LN, 1LO, 1LP, 1LQ, 1LR, 1LS, 1LT, 1LU, 1LV, 1LW, 1LX, 1LY, 1LZ, 1MA, 1MB, 1MC, 1MD, 1ME, 1MF, 1MG, 1MH, 1MI, 1MJ, 1MK, 1ML, 1MM, 1MN, 1MO, 1MP, 1MQ, 1MR, 1MS, 1MT, 1MU, 1MV, 1MW, 1MX, 1MY, 1MZ, 1NA, 1NB, 1NC, 1ND, 1NE, 1NF, 1NG, 1NH, 1NI, 1NJ, 1NK, 1NL, 1NM, 1NO, 1NP, 1NQ, 1NR, 1NS, 1NT, 1NU, 1NV, 1NW, 1NX, 1NY, 1NZ, 1OA, 1OB, 1OC, 1OD, 1OE, 1OF, 1OG, 1OH, 1OI, 1OJ, 1OK, 1OL, 1OM, 1ON, 1OO, 1OP, 1OQ, 1OR, 1OS, 1OT, 1OU, 1OV, 1OW, 1OX, 1OY, 1OZ, 1PA, 1PB, 1PC, 1PD, 1PE, 1PF, 1PG, 1PH, 1PI, 1PJ, 1PK, 1PL, 1PM, 1PN, 1PO, 1PP, 1PQ, 1PR, 1PS, 1PT, 1PU, 1PV, 1PW, 1PX, 1PY, 1PZ, 1QA, 1QB, 1QC, 1QD, 1QE, 1QF, 1QG, 1QH, 1QI, 1QJ, 1QK, 1QL, 1QM, 1QN, 1QO, 1QP, 1QQ, 1QR, 1QS, 1QT, 1QU, 1QV, 1QW, 1QX, 1QY, 1QZ, 1RA, 1RB, 1RC, 1RD, 1RE, 1RF, 1RG, 1RH, 1RI, 1RJ, 1RK, 1RL, 1RM, 1RN, 1RO, 1RP, 1RQ, 1RR, 1RS, 1RT, 1RU, 1RV, 1RW, 1RX, 1RY, 1RZ, 1SA, 1SB, 1SC, 1SD, 1SE, 1SF, 1SG, 1SH, 1SI, 1SJ, 1SK, 1SL, 1SM, 1SN, 1SO, 1SP, 1SQ, 1SR, 1SS, 1ST, 1SU, 1SV, 1SW, 1SX, 1SY, 1SZ, 1TA, 1TB, 1TC, 1TD, 1TE, 1TF, 1TG, 1TH, 1TI, 1TJ, 1TK, 1TL, 1TM, 1TN, 1TO, 1TP, 1TQ, 1TR, 1TS, 1TT, 1TU, 1TV, 1TW, 1TX, 1TY, 1TZ, 1UA, 1UB, 1UC, 1UD, 1UE, 1UF, 1UG, 1UH, 1UI, 1UJ, 1UK, 1UL, 1UM, 1UN, 1UO, 1UP, 1UQ, 1UR, 1US, 1UT, 1UU, 1UV, 1UW, 1UX, 1UY, 1UZ, 1VA, 1VB, 1VC, 1VD, 1VE, 1VF, 1VG, 1VH, 1VI, 1VJ, 1VK, 1VL, 1VM, 1VN, 1VO, 1VP, 1VQ, 1VR, 1VS, 1VT, 1VU, 1VV, 1VW, 1VX, 1VY, 1VZ, 1WA, 1WB, 1WC, 1WD, 1WE, 1WF, 1WG, 1WH, 1WI, 1WJ, 1WK, 1WL, 1WM, 1WN, 1WO, 1WP, 1WQ, 1WR, 1WS, 1WT, 1WU, 1WV, 1WW, 1WX, 1WY, 1WZ, 1XA, 1XB, 1XC, 1XD, 1XE, 1XF, 1XG, 1XH, 1XI, 1XJ, 1XK, 1XL, 1XM, 1XN, 1XO, 1XP, 1XQ, 1XR, 1XS, 1XT, 1XU, 1XV, 1XW, 1XX, 1XY, 1XZ, 1YA, 1YB, 1YC, 1YD, 1YE, 1YF, 1YG, 1YH, 1YI, 1YJ, 1YK, 1YL, 1YM, 1YN, 1YO, 1YP, 1YQ, 1YR, 1YS, 1YT, 1YU, 1YV, 1YW, 1YX, 1YY, 1YZ, 1ZA, 1ZB, 1ZC, 1ZD, 1ZE, 1ZF, 1ZG, 1ZH, 1ZI, 1ZJ, 1ZK, 1ZL, 1ZM, 1ZN, 1ZO, 1ZP, 1ZQ, 1ZR, 1ZS, 1ZT, 1ZU, 1ZV, 1ZW, 1ZX, 1ZY, 1ZZ, 2A, 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I, 2J, 2K, 2L, 2M, 2N, 2O, 2P, 2Q, 2R, 2S, 2T, 2U, 2V, 2W, 2X, 2Y, 2Z, 3A, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 3I, 3J, 3K, 3L, 3M, 3N, 3O, 3P, 3Q, 3R, 3S, 3T, 3U, 3V, 3W, 3X, 3Y, 3Z, 4A, 4B, 4C, 4D, 4E, 4F, 4G, 4H, 4I, 4J, 4K, 4L, 4M, 4N, 4O, 4P, 4Q, 4R, 4S, 4T, 4U, 4V, 4W, 4X, 4Y, 4Z, 5A, 5B, 5C, 5D, 5E, 5F, 5G, 5H, 5I, 5J, 5K, 5L, 5M, 5N, 5O, 5P, 5Q, 5R, 5S, 5T, 5U, 5V, 5W, 5X, 5Y, 5Z, 6A, 6B, 6C, 6D, 6E, 6F, 6G, 6H, 6I, 6J, 6K, 6L, 6M, 6N, 6O, 6P, 6Q, 6R, 6S, 6T, 6U, 6V, 6W, 6X, 6Y, 6Z, 7A, 7B, 7C, 7D, 7E, 7F, 7G, 7H, 7I, 7J, 7K, 7L, 7M, 7N, 7O, 7P, 7Q, 7R, 7S, 7T, 7U, 7V, 7W, 7X, 7Y, 7Z, 8A, 8B, 8C, 8D, 8E, 8F, 8G, 8H, 8I, 8J, 8K, 8L, 8M, 8N, 8O, 8P, 8Q, 8R, 8S, 8T, 8U, 8V, 8W, 8X, 8Y, 8Z, 9A, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9I, 9J, 9K, 9L, 9M, 9N, 9O, 9P, 9Q, 9R, 9S, 9T, 9U, 9V, 9W, 9X, 9Y, 9Z, 10A, 10B, 10C, 10D, 10E, 10F, 10G, 10H, 10I, 10J, 10K, 10L, 10M, 10N, 10O, 10P, 10Q, 10R, 10S, 10T, 10U, 10V, 10W, 10X, 10Y, 10Z, 11A, 11B, 11C, 11D, 11E, 11F, 11G, 11H, 11I, 11J, 11K, 11L, 11M, 11N, 11O, 11P, 11Q, 11R, 11S, 11T, 11U, 11V, 11W, 11X, 11Y, 11Z, 12A, 12B, 12C, 12D, 12E, 12F, 12G, 12H, 12I, 12J, 12K, 12L, 12M,
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WARNING: INSTRUCTIONS MUST BE READ CAREFULLY BEFORE OPERATING. FOR FULL DETAILS OF THE SAFETY PRECAUTIONS, PLEASE REFER TO THE USER MANUAL.

	12" x 6"	2" x 4"	2" x 6"	2" x 8"	2" x 10"	2" x 12"	2" x 14"
BEARING ANTERIOR WALLS	16'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"
BEARING REAR WALLS	12'-0"	--	--	--	--	--	--
NON-BEARING EXTENSION WALLS	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"
BEARING REAR WALLS	11'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"

CEILING JOIST SCHEDULE			
2x4 STUD GRADE	2x6 Dwg GRADE	2x8 Dwg GRADE	REMARKS
24/16" O.C.	24/16" O.C.	24/16" O.C.	
11/12'	16/18'	22/24'	

NOTE5: FOR THE CASE NOT FOUND HERE, NEOPHYTES FOR DESIGN

DIAPHRAGM SHEATHING NAIL 5 OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN 5 THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING.

SCALE
AS NOTED
DRAWING TITLE
STRUCTURE

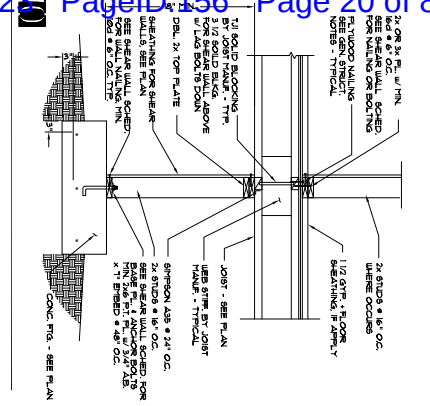
S2.3

HIGHSTAR CABIN 2500
KAMAS CITY, UTAH
GE17374

SE Shen Engineers, Inc.
Structural/Seismic Consultants
2225 E. MURRAY HOLLADAY RD.
SUITE 200
HOLLADAY, UTAH 84117
801.277.1262
E-mail: sheneng@sen.com

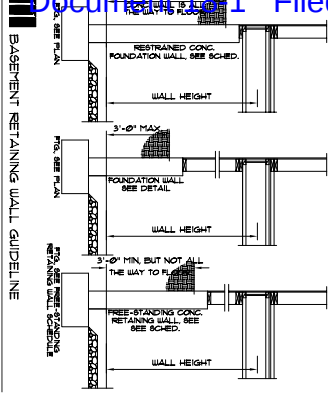
NO.	REVISION	DATE



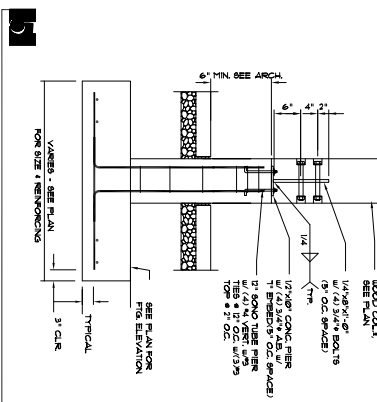


MARK	HT	FE	TL	UT	HL	CO	A	B	C	D	E
W1	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
W2	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
W3	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
W4	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
W5	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
W6	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
W7	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
W8	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
W9	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"
W10	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"	12'-0"

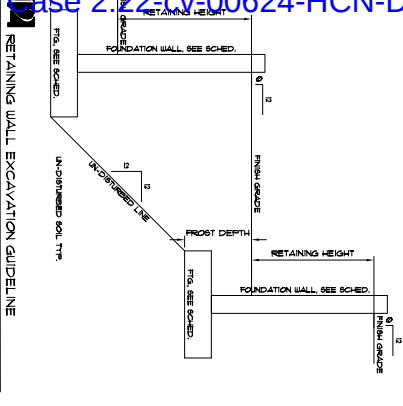
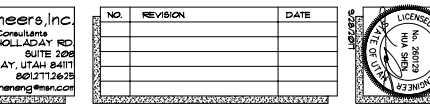
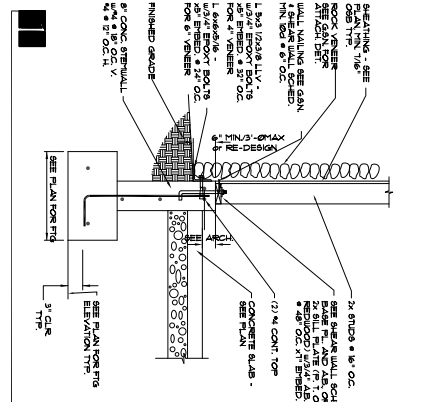
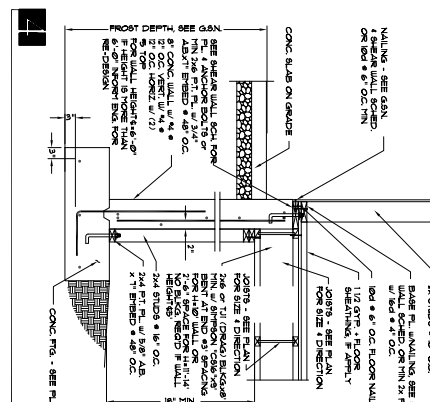
7 FREE-STANDING RETAINING WALL



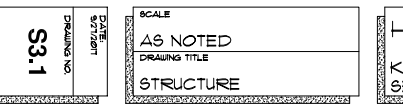
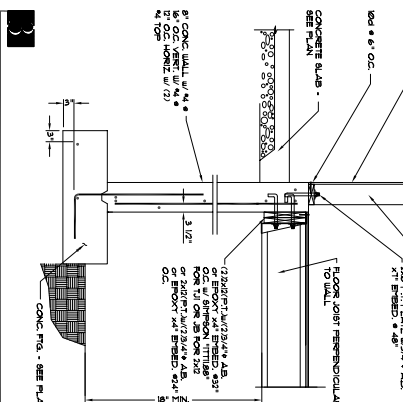
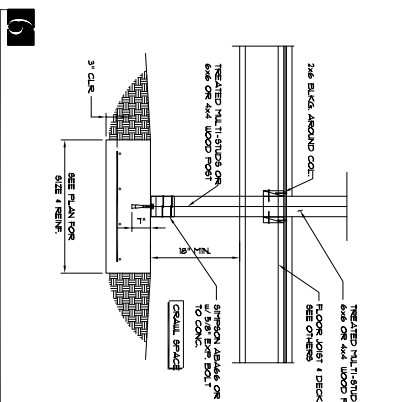
8 HOLD-ON ON RAISED FLOOR CALLED OUT AS HDN/A/B



9 CONC/CMU WALL-NEW STUD WALL CONNECTION



9 CONC/CMU WALL-NEW STUD WALL CONNECTION



DATE: 5/27/2021
DRAWING NO: S3.1

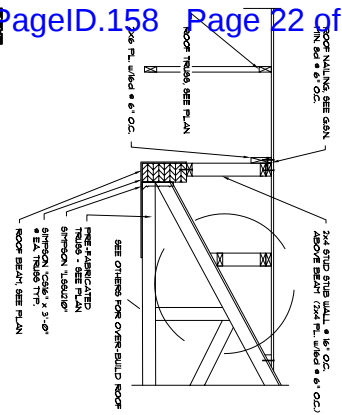
SCALE: AS NOTED
DRAWING TITLE: STRUCTURE

HIGHSTAR CABIN 2500
KAMAS CITY, UTAH
95113174

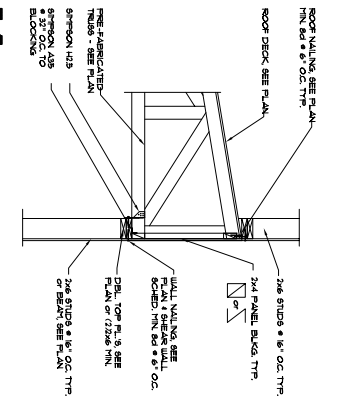
Shen Engineers, Inc.
Structural/Seismic Consultants
2225 E. MURRAY HOLLADAY RD. SUITE 208
HOLLADAY, UTAH 84111
801.211.1288
E-mail: sheneng@shen.com

NO.	REVISION	DATE

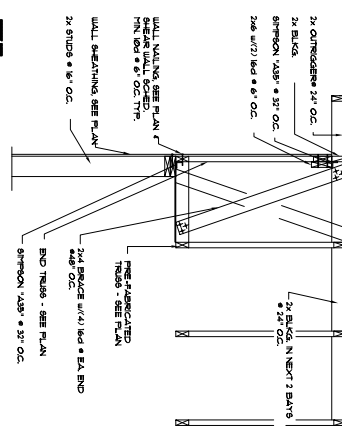




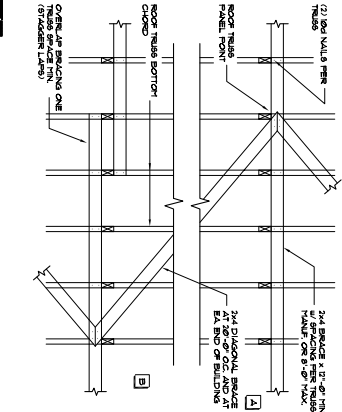
7. TYP. ROOF TRUSS BRACING (PLAN)



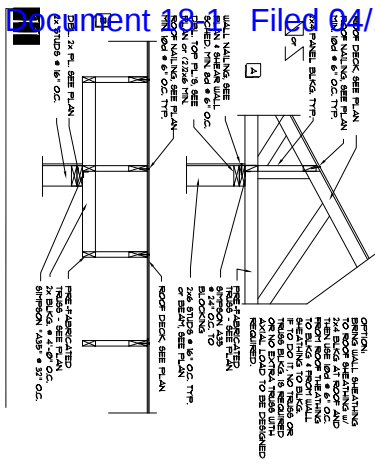
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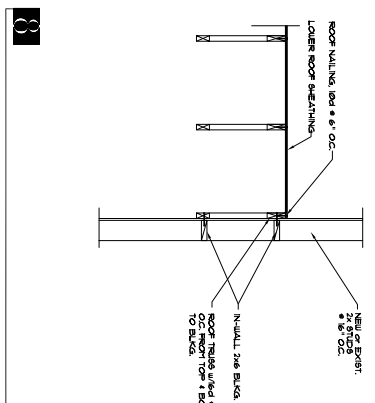
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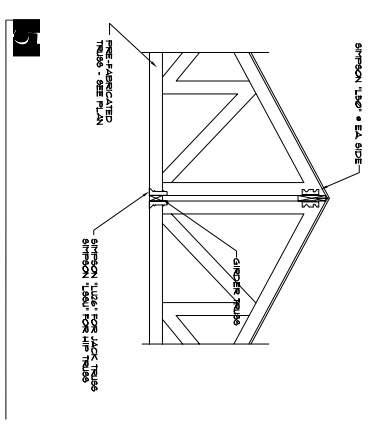
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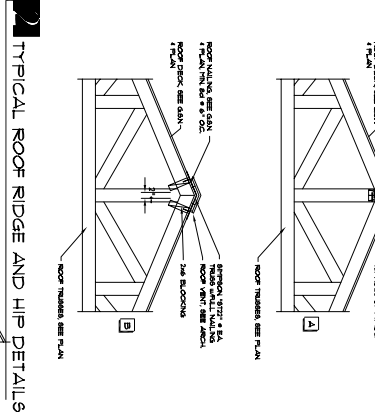
11. TYP. ROOF TRUSS BRACING (PLAN)



12. TYP. ROOF TRUSS BRACING (PLAN)



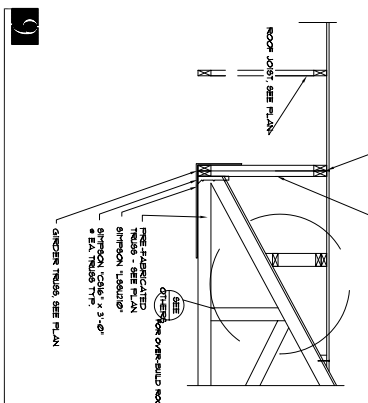
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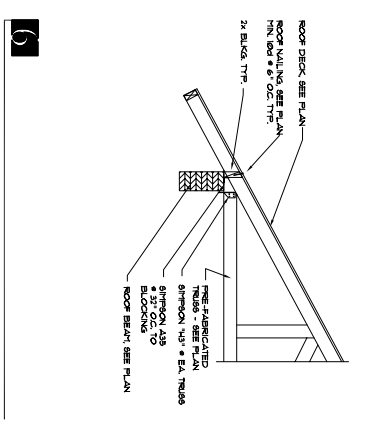
14. TYP. ROOF TRUSS BRACING (PLAN)



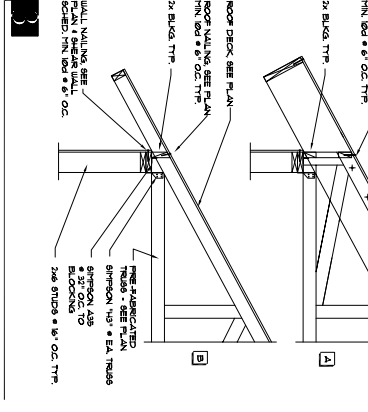
15. TYP. ROOF TRUSS BRACING (PLAN)



16. TYP. ROOF TRUSS BRACING (PLAN)



17. TYP. ROOF TRUSS BRACING (PLAN)



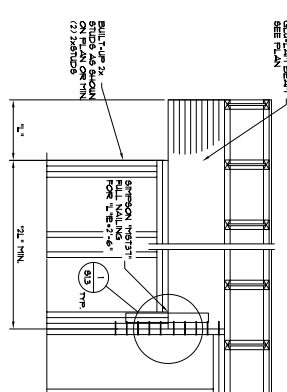
18. TYP. ROOF TRUSS BRACING (PLAN)

EXHIBIT B

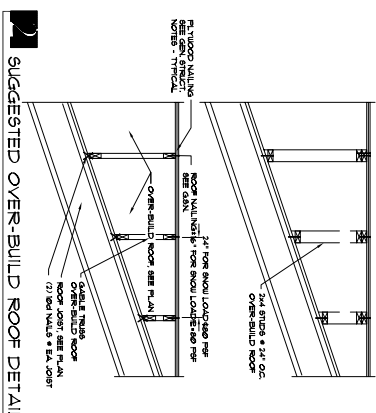
GENERAL STRUCTURAL NOTES:

- [illegible]

- [illegible]



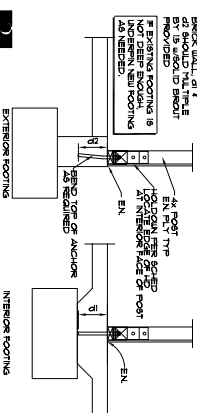
TYP. IN-WALL CANTILEVERED EAVE BEAM



SUGGESTED OVER-BUILD ROOF DETAIL

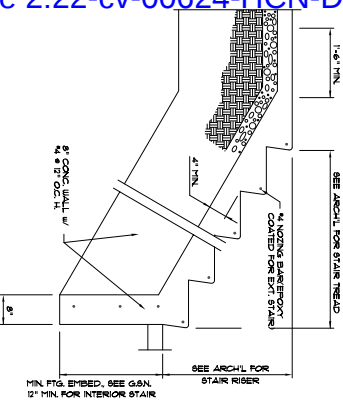
HOLD-ON AT TREATIES BY SHIMSON 1987-1988 - EMBR2006		NEW ACTIONS		CONSIDER	
HOLD-ON CALLED OUT ON PLAN	SHIMSON HOLD-ON	SHIMSON 1987-1988	d1*	d2*	d3 *
H0N5	H0D2	5/8/4	6"	6"	10"
H0N6	H0D5	5/8/4	6"	8"	14"
H0N7	H0D8	7/8/4	8"	13 1/2"	
H0N8	H0D11	7/4	8"	16"	
H0N9	H0D14	7/4	12"	19"	
SPECIAL INSPECTION AND PULL TEST IS REQUIRED					

HDN9	HDU14	12"	19"
------	-------	-----	-----

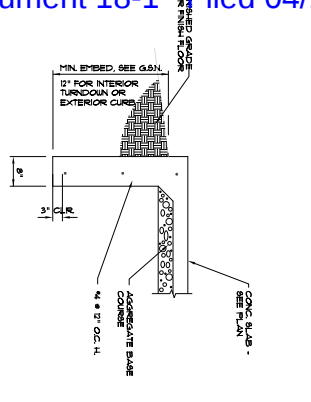


EXTERIOR FOOTING **INTERIOR FOOTING**

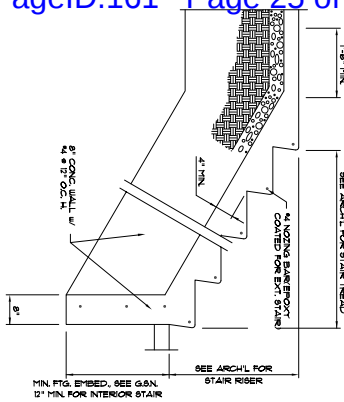
CONCRETE STAIR ON GRADE



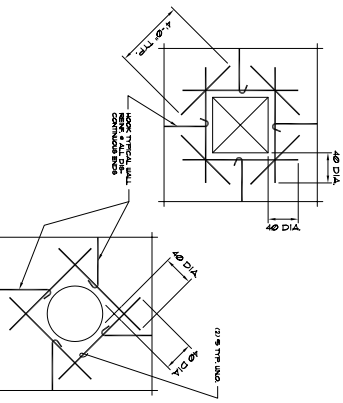
TYPICAL TURNDOWN FOOTING



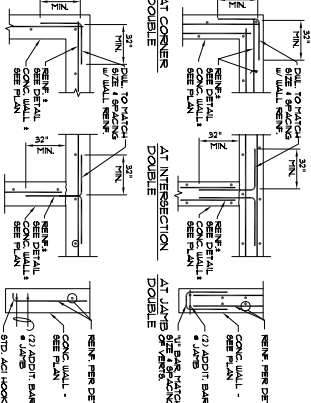
CONCRETE STAIR ON GRADE



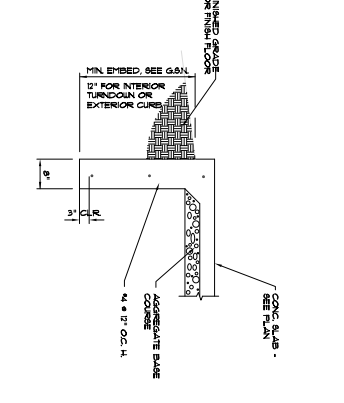
TYP. REINF. @ CONC. WALL OPNG.



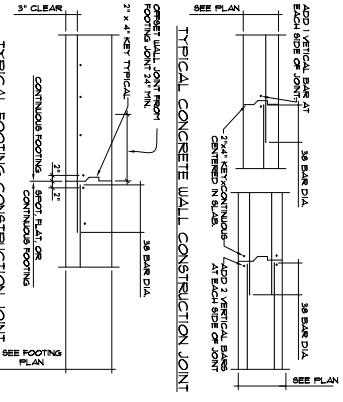
TYPICAL CONC. WALL REINF.



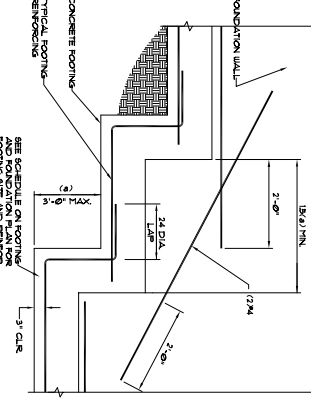
TYPICAL TURNDOWN FOOTING



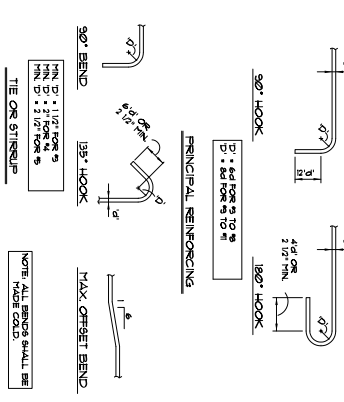
TYP. FTG. & WALL CONSTRUCTION JOINT



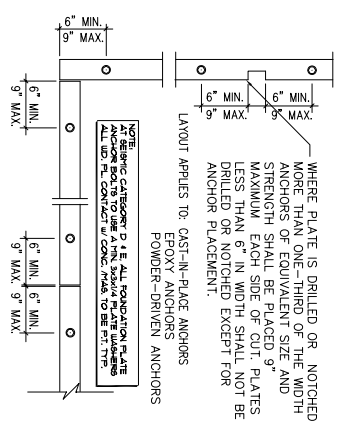
TYPICAL STEPPED FOOTING



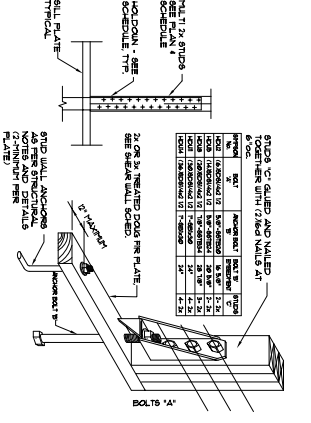
TYPICAL REINFORCING BAR BENDS



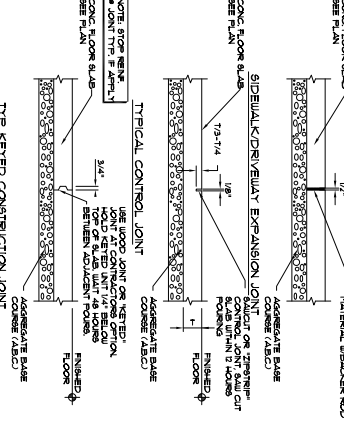
TYPICAL ANCHOR BOLTS LAYOUT



TYPICAL HOLDOWN TO CONC.



TYPICAL CONCRETE FLOOR JOINTS



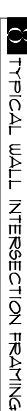
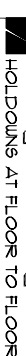
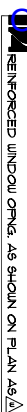
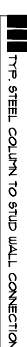
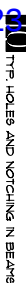
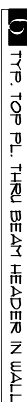
DATE: 03/20/21
DRAWING NO: S1.2
SCALE: AS NOTED
DRAWING TITLE: STRUCTURE

HIGHSTAR CABIN 2800
KAMAS CITY, UTAH
9E11375

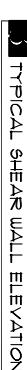
Shen Engineers, Inc.
Structural/Seismic Consultants
2225 E. HOLLADAY AVE. SUITE 200
HOLLADAY, UTAH 84143
E-mail: sheneng@shen.com

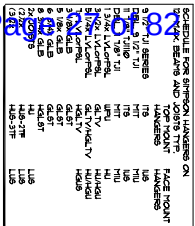
NO.	REVISION	DATE



) NAIL/STAPLE EQUIVALENT TABLE

TYPICAL WOOD HEADER OR BEAM TO
MULTI-STUDS CONNECTION





**FLOOR FRAMING PLAN
FOOTING & FOUNDATION PLAN**

SCALE 1/4" = 1'-0"

[illegible]

1. VERIFY FIT, SIZE, LOCATION, AND HEIGHT OF REBAR PRIOR TO FORMING CONCRETE. MAKE FIT REBAR CORRESPOND TO THE REBAR DETAIL.
2. DO NOT POUR ANY CONCRETE UNTIL THE FORMS ARE LAPPED BY BAR SMITHERS AT STILES AND THE REBAR IS PROPERLY SHORTELLED AND ALL BARS ARE IN PLACE AND SECURED.
3. DO NOT PERMIT THE GRADE TO COME CLOSER THAN 6" TO TOP OF REBAR.
4. FOR FOUNDATIONS REBAR SPECIFICATIONS FOR FOUNDATION WALLS OTHER THAN REBAR ARE NOT TO BE INSTALLED ON ONE SIDE ONLY OF THE FOUNDATION.
5. PROVIDE A V-TIE BARRING DESIGN CONSTRUCTION OF REBAR.
6. REBAR, A REBAR BARS, C-CLAMP, ANCHOR WELDS, ETC., WHICH ARE TO BE INSTALLED IN PRESISTANT TREATED WOOD OR STEEL, STAINLESS STEEL, SILICON BRONZE OR COMPLEMENT THE REQUIREMENTS OF A.C.I. 308.3A-83.
7. REBAR FOR SUPERSTRUCTURE MEMBERS ARE NOT DROPPED OR OVERTURNED.

NO SECTION OF CONCRETE SHALL HAVE AN AREA OF 500 SQ. FT. OR MORE. ALL JOINTS SHALL BE REINFORCED WITH 3 NO. 4 BARS ADJACENT TO ALL DISCONTINUITIES. JOINT CONCRETE SHALL BE INTERLOCKED BY A SLAB JOINT OR REINFORCED WITH 3 NO. 4 BARS PER JOINT. JOINTS SHALL BE JOINT LAYOUT PLAN TO THE ARCHITECT FOR PRIOR REVIEW.

3. ALL WORK TO CONTACT W/ CONC. OR REINFORCING SHALL BE PROTECTED WITH 1/2" ALUM. SHEET PLY. ALL JOINTS SHALL BE PROTECTED WITH 1/2" ALUM. SHEET PLY, BARRING TYPE.

CONCRETE POUR NOTES:

[illegible][illegible]

STRUCTURAL NOTES AND	<p>3/4" PLU/OSB SHEATHING SPAN RATING 40/10</p> <p>SEE GENERAL STRUCTURAL NOTES-TYPICAL</p> <p>GENERAL NOTES</p>
IS PLAN NOTES:	<p>TYPICAL FLOOR DECK</p>

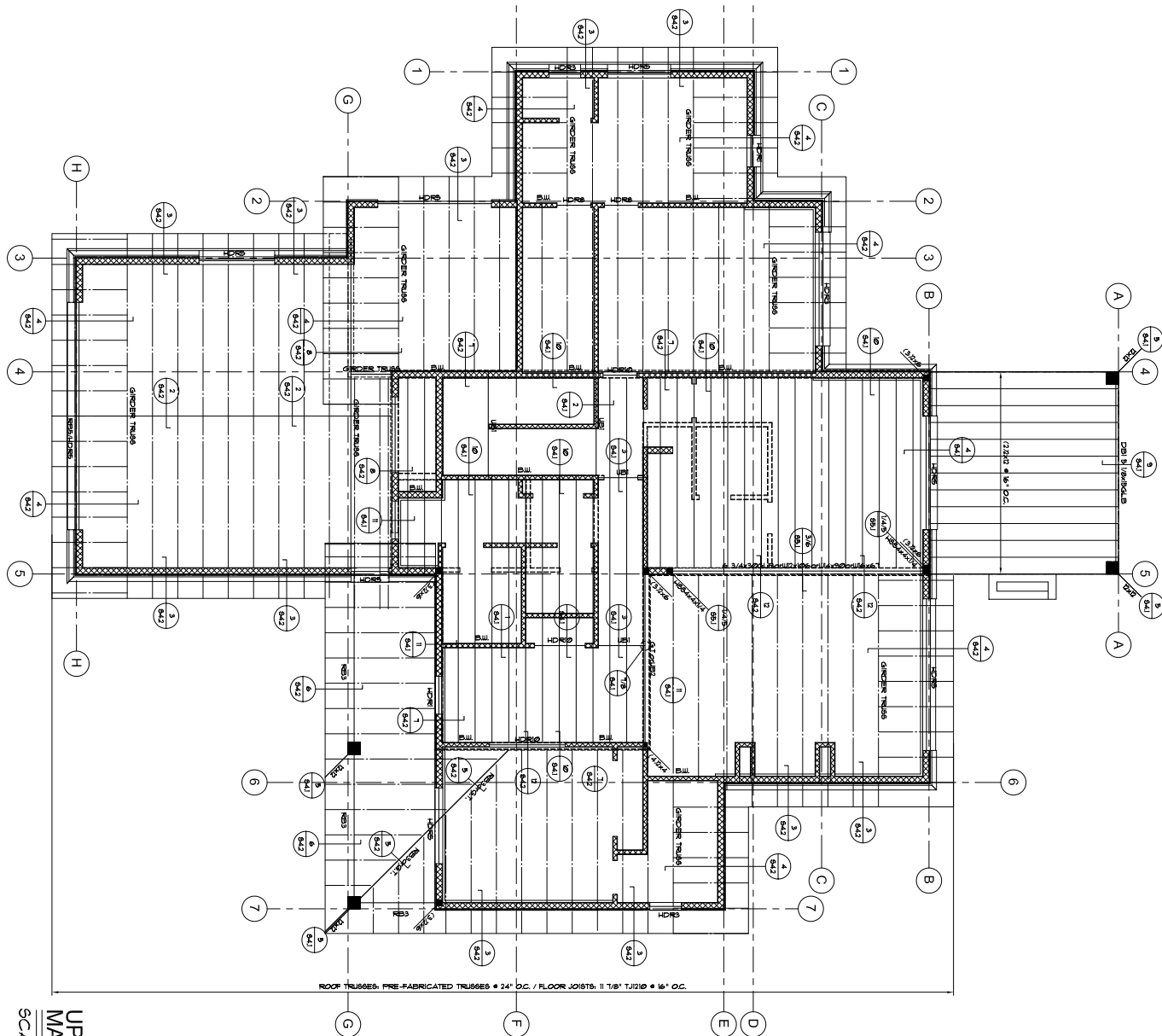
DATE: 10/5/2017	DRAWING NO. S2.1
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SCALE
AS NOTED
DRAWING TITLE
STRUCTURE

HIGHSTAR CABIN 2800
KAMAS CITY, UTAH
9E17375

SE Shen Engineers, Inc.
Structural/Seismic Consultants
2225 E. MURRAY HOLLADAY RD.
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HOLLADAY, UTAH 84111
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	NO.	REVISION	DATE



HON: HAZARD, SEE SCHEDULE
 HON: HOLDON, SEE SCHEDULE
 BU: WOOD SHEAR WALL, SEE SCHEDULE
 BU: BEARING WALL
 BU: BEARING WALL ABOVE
 NSU: NON-BEARING WALL
 OER: OVER-BUILD ROOF
 GI: GIRDER TRUSS
 KP: KING POST
 DI: DOUBLE JOIST

ROOF TRUSS DESIGN CRITERIA				
MARK	TOP CHORD DEAD LOAD	BOTTOM CHORD DEAD LOAD	TOP CHORD LIVE LOAD	TOTAL LOADS
REGULAR TRUSSES	15 psf	5 psf	50 psf	110 psf
CHIMNEY TRUSSES	15 psf	5 psf	50 psf	110 psf

NOTE: SNOW LOAD SHALL BE INCLUDED ON DIVISION 11, PART 02.

FIN 1/2 OR ROOF SNOU LOAD SHALL BE APPLIED TO LOWER ROOF SNOU DRIP
SEE PLAN FOR POINT LOADS TO GINDER TRUSSES IF APPLIED.

A TRUSS PACKAGE MUST BE SUBMITTED TO THE BUILDING OFFICIAL AS A DEFERRED SUBMITTAL PRIOR TO SUBMITTING TO THE CITY. THE PACKAGE MUST BE REVIEWED BY THE ENGINEER OF RECORD AND STAMPED FOR GENERAL CONFERENCE. NO TRUSSES ARE TO BE INSTALLED UNTIL APPROVED BY THE BUILDING OFFICIAL.

FOR THOSE TRUSSES RIGHT ABOVE THE SHEAR WALLS, A LATERAL LOAD OF 240 PLF ACTING ON TOP OF TRUSS WILL BE INCLUDED ON THE DESIGN OF TRUSSES TYP.

REB3, (3/1 3/4x11 7/8 LVL or 5 1/8x12 GLB

ROOF FLASHING PLAN NOTES:

6. PROVIDE JOIST HANGING SPACING AS PER PLAN.
7. FINISHER'S SPECIFICATION

[illegible]

1. GULAY BEAMS SHALL BE COMBINATION SYDROL 24-V4 FOR REGULAR BEAM AND 24-V8 FOR CANTILEVERED BEAM TYPICAL.
2. ALL GULAY BEAMS TO BE ZERO CAMBER BEAMS UNO.
3. ALL MULTI-MEMBER BEAMS & STUDS SHALL BE NAILED TOGETHER W/2 NAILS 6d @ 6" O.C. BOTH SIDES TYPICAL.

ONE KING STUD FOR OPEN, 2'-0" TO 3'-0"
TWO KING STUDS FOR OPEN, 5'-0" TO 10'-0"
THREE KING STUDS FOR OPEN, 10'-0" TO 15'-0"
FOUR KING STUDS FOR OPEN, 15'-0" TO 20'-0"

5/8" FLUID/08B BREATHING, GRAN RATING 32/6
GENERAL STRUCTURAL NOTES-TYPICAL
10d #6 @ ALL PANEL EDGES SUPPORTED
EDGES AND AT TOP OF SHEAR WALLS
10d #8 @ ALL PANEL FIELD
PLACE BREATHING LONG-JOIST ACROSS PAVING,
STAGGERED END JOINTS, UNLOCKED DIAPHRAGM

SCALE
AS NOTED
DRAWING TITLE
STRUCTURE

DATE: 10/5/2017	DRAWING NO. S2.2
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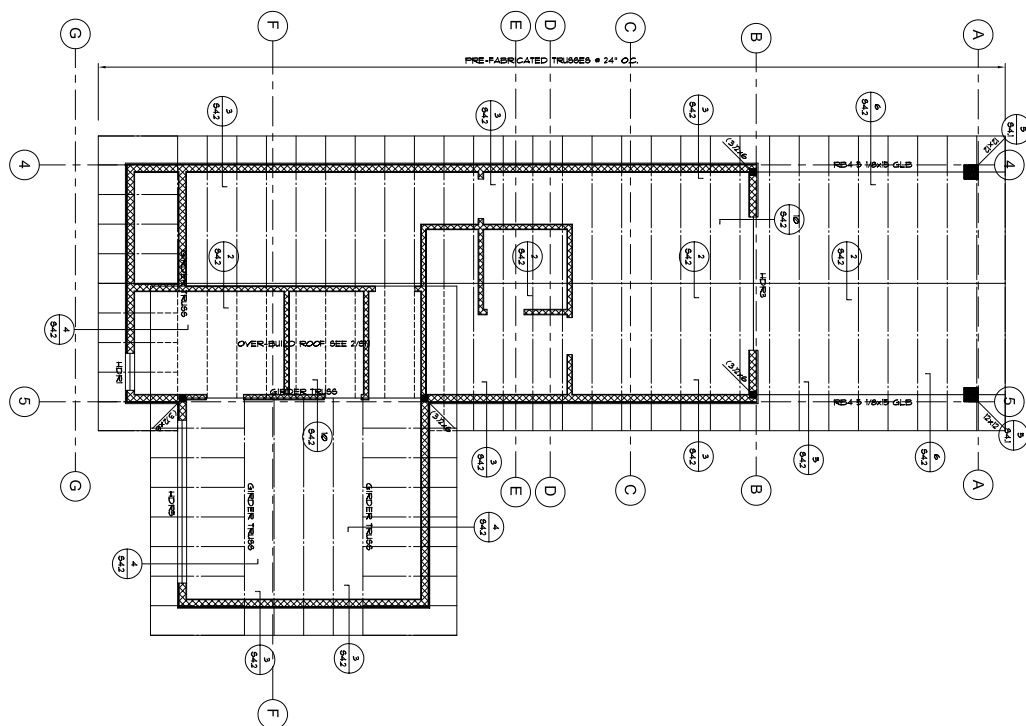
HIGHSTAR CABIN 2800
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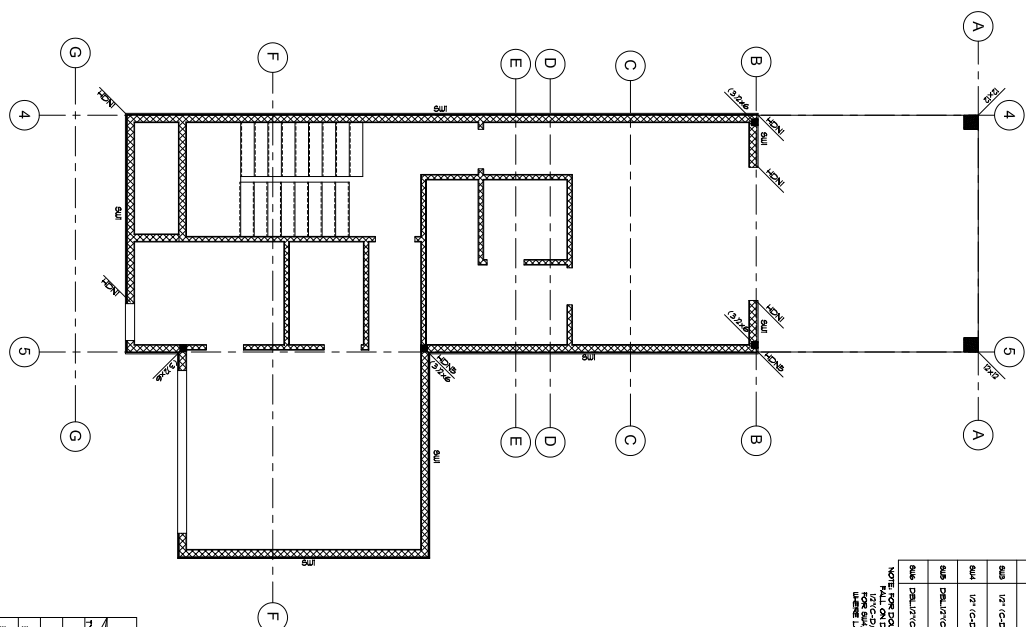
NO.	REVISION	DATE





HIGH ROOF FRAMING PLAN

SCALE 1/4" = 1'-0"



UPPER LEVEL HOLDDOWN & SHEARWALL PLAN

SCALE 1/4" = 1'-0"

SHEATHING SCHEDULE			
GRADE	PLYWOOD	NUMBER OF PLYS	MINIMUM THICKNESS
1st	1" (C-D-C)	3	3/4" min. 1" max.
2nd	1" (C-D-C)	3	3/4" min. 1" max.
3rd	1" (C-D-C)	3	3/4" min. 1" max.
4th	1" (C-D-C)	3	3/4" min. 1" max.
5th	1" (C-D-C)	3	3/4" min. 1" max.
6th	1" (C-D-C)	3	3/4" min. 1" max.
7th	1" (C-D-C)	3	3/4" min. 1" max.
8th	1" (C-D-C)	3	3/4" min. 1" max.
9th	1" (C-D-C)	3	3/4" min. 1" max.
10th	1" (C-D-C)	3	3/4" min. 1" max.
11th	1" (C-D-C)	3	3/4" min. 1" max.
12th	1" (C-D-C)	3	3/4" min. 1" max.
13th	1" (C-D-C)	3	3/4" min. 1" max.
14th	1" (C-D-C)	3	3/4" min. 1" max.
15th	1" (C-D-C)	3	3/4" min. 1" max.
16th	1" (C-D-C)	3	3/4" min. 1" max.
17th	1" (C-D-C)	3	3/4" min. 1" max.
18th	1" (C-D-C)	3	3/4" min. 1" max.
19th	1" (C-D-C)	3	3/4" min. 1" max.
20th	1" (C-D-C)	3	3/4" min. 1" max.
21st	1" (C-D-C)	3	3/4" min. 1" max.
22nd	1" (C-D-C)	3	3/4" min. 1" max.
23rd	1" (C-D-C)	3	3/4" min. 1" max.
24th	1" (C-D-C)	3	3/4" min. 1" max.
25th	1" (C-D-C)	3	3/4" min. 1" max.
26th	1" (C-D-C)	3	3/4" min. 1" max.
27th	1" (C-D-C)	3	3/4" min. 1" max.
28th	1" (C-D-C)	3	3/4" min. 1" max.
29th	1" (C-D-C)	3	3/4" min. 1" max.
30th	1" (C-D-C)	3	3/4" min. 1" max.
31st	1" (C-D-C)	3	3/4" min. 1" max.
32nd	1" (C-D-C)	3	3/4" min. 1" max.
33rd	1" (C-D-C)	3	3/4" min. 1" max.
34th	1" (C-D-C)	3	3/4" min. 1" max.
35th	1" (C-D-C)	3	3/4" min. 1" max.
36th	1" (C-D-C)	3	3/4" min. 1" max.
37th	1" (C-D-C)	3	3/4" min. 1" max.
38th	1" (C-D-C)	3	3/4" min. 1" max.
39th	1" (C-D-C)	3	3/4" min. 1" max.
40th	1" (C-D-C)	3	3/4" min. 1" max.
41st	1" (C-D-C)	3	3/4" min. 1" max.
42nd	1" (C-D-C)	3	3/4" min. 1" max.
43rd	1" (C-D-C)	3	3/4" min. 1" max.
44th	1" (C-D-C)	3	3/4" min. 1" max.
45th	1" (C-D-C)	3	3/4" min. 1" max.
46th	1" (C-D-C)	3	3/4" min. 1" max.
47th	1" (C-D-C)	3	3/4" min. 1" max.
48th	1" (C-D-C)	3	3/4" min. 1" max.
49th	1" (C-D-C)	3	3/4" min. 1" max.
50th	1" (C-D-C)	3	3/4" min. 1" max.
51st	1" (C-D-C)	3	3/4" min. 1" max.
52nd	1" (C-D-C)	3	3/4" min. 1" max.
53rd	1" (C-D-C)	3	3/4" min. 1" max.
54th	1" (C-D-C)	3	3/4" min. 1" max.
55th	1" (C-D-C)	3	3/4" min. 1" max.
56th	1" (C-D-C)	3	3/4" min. 1" max.
57th	1" (C-D-C)	3	3/4" min. 1" max.
58th	1" (C-D-C)	3	3/4" min. 1" max.
59th	1" (C-D-C)	3	3/4" min. 1" max.
60th	1" (C-D-C)	3	3/4" min. 1" max.
61st	1" (C-D-C)	3	3/4" min. 1" max.
62nd	1" (C-D-C)	3	3/4" min. 1" max.
63rd	1" (C-D-C)	3	3/4" min. 1" max.
64th	1" (C-D-C)	3	3/4" min. 1" max.
65th	1" (C-D-C)	3	3/4" min. 1" max.
66th	1" (C-D-C)	3	3/4" min. 1" max.
67th	1" (C-D-C)	3	3/4" min. 1" max.
68th	1" (C-D-C)	3	3/4" min. 1" max.
69th	1" (C-D-C)	3	3/4" min. 1" max.
70th	1" (C-D-C)	3	3/4" min. 1" max.
71st	1" (C-D-C)	3	3/4" min. 1" max.
72nd	1" (C-D-C)	3	3/4" min. 1" max.
73rd	1" (C-D-C)	3	3/4" min. 1" max.
74th	1" (C-D-C)	3	3/4" min. 1" max.
75th	1" (C-D-C)	3	3/4" min. 1" max.
76th	1" (C-D-C)	3	3/4" min. 1" max.
77th	1" (C-D-C)	3	3/4" min. 1" max.
78th	1" (C-D-C)	3	3/4" min. 1" max.
79th	1" (C-D-C)	3	3/4" min. 1" max.

FALL ON DIFFERENT STUD CHITCHAL
 1/4" (D-C) PLATE CAN BE SUBSTITUTED BY 1/4" (D-B) TYP. UNCL.
 FOR SOL. FRAMING AT PANEL EDGES TO BE SPACED AND NAILS TO BE STAGGERED TYP.
 WHERE LAG BOLTS TO BE USED, THE NAIL JOIST OR JOIST BLOCKING TO BE MIN. 3X FIFTEEN TYP.

HOLDPOINT SCHEDULE (5/19/2009 C-C-2015)				
NAME	TIME	HOLDPOINT LOCATION	ANALYST ROOM	LOCATION
HCN1	19:11	212510133 NN		ROOM 10 FLOOR
HCN2	19:16	142401133 NN		ROOM 10 FLOOR
HCN3	19:18	142401133 NN		ROOM 10 FLOOR
HCN4	19:20	142401133 NN		ROOM 10 FLOOR
HCN5	19:22	142401133 NN		ROOM 10 FLOOR
HCN6	19:24	142401133 NN		ROOM 10 FLOOR
HCN7	19:26	142401133 NN		ROOM 10 FLOOR
HCN8	19:28	142401133 NN		ROOM 10 FLOOR
HCN9	19:30	142401133 NN		ROOM 10 FLOOR
HCN10	19:32	142401133 NN		ROOM 10 FLOOR
HCN11	19:34	142401133 NN		ROOM 10 FLOOR
HCN12	19:36	142401133 NN		ROOM 10 FLOOR
HCN13	19:38	142401133 NN		ROOM 10 FLOOR
HCN14	19:40	142401133 NN		ROOM 10 FLOOR
HCN15	19:42	142401133 NN		ROOM 10 FLOOR
HCN16	19:44	142401133 NN		ROOM 10 FLOOR
HCN17	19:46	142401133 NN		ROOM 10 FLOOR
HCN18	19:48	142401133 NN		ROOM 10 FLOOR
HCN19	19:50	142401133 NN		ROOM 10 FLOOR
HCN20	19:52	142401133 NN		ROOM 10 FLOOR
HCN21	19:54	142401133 NN		ROOM 10 FLOOR
HCN22	19:56	142401133 NN		ROOM 10 FLOOR
HCN23	19:58	142401133 NN		ROOM 10 FLOOR
HCN24	20:00	142401133 NN		ROOM 10 FLOOR
HCN25	20:02	142401133 NN		ROOM 10 FLOOR
HCN26	20:04	142401133 NN		ROOM 10 FLOOR
HCN27	20:06	142401133 NN		ROOM 10 FLOOR
HCN28	20:08	142401133 NN		ROOM 10 FLOOR
HCN29	20:10	142401133 NN		ROOM 10 FLOOR
HCN30	20:12	142401133 NN		ROOM 10 FLOOR
HCN31	20:14	142401133 NN		ROOM 10 FLOOR
HCN32	20:16	142401133 NN		ROOM 10 FLOOR
HCN33	20:18	142401133 NN		ROOM 10 FLOOR
HCN34	20:20	142401133 NN		ROOM 10 FLOOR
HCN35	20:22	142401133 NN		ROOM 10 FLOOR
HCN36	20:24	142401133 NN		ROOM 10 FLOOR
HCN37	20:26	142401133 NN		ROOM 10 FLOOR
HCN38	20:28	142401133 NN		ROOM 10 FLOOR
HCN39	20:30	142401133 NN		ROOM 10 FLOOR
HCN40	20:32	142401133 NN		ROOM 10 FLOOR
HCN41	20:34	142401133 NN		ROOM 10 FLOOR
HCN42	20:36	142401133 NN		ROOM 10 FLOOR
HCN43	20:38	142401133 NN		ROOM 10 FLOOR
HCN44	20:40	142401133 NN		ROOM 10 FLOOR
HCN45	20:42	142401133 NN		ROOM 10 FLOOR
HCN46	20:44	142401133 NN		ROOM 10 FLOOR
HCN47	20:46	142401133 NN		ROOM 10 FLOOR
HCN48	20:48	142401133 NN		ROOM 10 FLOOR
HCN49	20:50	142401133 NN		ROOM 10 FLOOR
HCN50	20:52	142401133 NN		ROOM 10 FLOOR
HCN51	20:54	142401133 NN		ROOM 10 FLOOR
HCN52	20:56	142401133 NN		ROOM 10 FLOOR
HCN53	20:58	142401133 NN		ROOM 10 FLOOR
HCN54	21:00	142401133 NN		ROOM 10 FLOOR
HCN55	21:02	142401133 NN		ROOM 10 FLOOR
HCN56	21:04	142401133 NN		ROOM 10 FLOOR
HCN57	21:06	142401133 NN		ROOM 10 FLOOR
HCN58	21:08	142401133 NN		ROOM 10 FLOOR
HCN59	21:10	142401133 NN		ROOM 10 FLOOR
HCN60	21:12	142401133 NN		ROOM 10 FLOOR
HCN61	21:14	142401133 NN		ROOM 10 FLOOR
HCN62	21:16	142401133 NN		ROOM 10 FLOOR
HCN63	21:18	142401133 NN		ROOM 10 FLOOR
HCN64	21:20	142401133 NN		ROOM 10 FLOOR
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HCN66	21:24	142401133 NN		ROOM 10 FLOOR
HCN67	21:26	142401133 NN		ROOM 10 FLOOR
HCN68	21:28	142401133 NN		ROOM 10 FLOOR
HCN69	21:30	142401133 NN		ROOM 10 FLOOR
HCN70	21:32	142401133 NN		ROOM 10 FLOOR
HCN71	21:34	142401133 NN		ROOM 10 FLOOR
HCN72	21:36	142401133 NN		ROOM 10 FLOOR
HCN73	21:38	142401133 NN		ROOM 10 FLOOR
HCN74	21:40	142401133 NN		ROOM 10 FLOOR
HCN75	21:42	142401133 NN		ROOM 10 FLOOR
HCN76	21:44	142401133 NN		ROOM 10 FLOOR
HCN77	21:46	142401133 NN		ROOM 10 FLOOR
HCN78	21:48	142401133 NN		ROOM 10 FLOOR
HCN79	21:50	142401133 NN		ROOM 10 FLOOR
HCN80	21:52	142401133 NN		ROOM 10 FLOOR
HCN81	21:54	142401133 NN		ROOM 10 FLOOR
HCN82	21:56	142401133 NN		ROOM 10 FLOOR
HCN83	21:58	142401133 NN		ROOM 10 FLOOR
HCN84	22:00	142401133 NN		ROOM 10 FLOOR
HCN85	22:02	142401133 NN		ROOM 10 FLOOR
HCN86	22:04	142401133 NN		ROOM 10 FLOOR
HCN87	22:06	142401133 NN		ROOM 10 FLOOR
HCN88	22:08	142401133 NN		ROOM 10 FLOOR
HCN89	22:10	142401133 NN		ROOM 10 FLOOR
HCN90	22:12	142401133 NN		ROOM 10 FLOOR
HCN91	22:14	142401133 NN		ROOM 10 FLOOR
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HCN94	22:20	142401133 NN		ROOM 10 FLOOR
HCN95	22:22	142401133 NN		ROOM 10 FLOOR
HCN96	22:24	142401133 NN		ROOM 10 FLOOR
HCN97	22:26	142401133 NN		ROOM 10 FLOOR
HCN98	22:28	142401133 NN		ROOM 10 FLOOR
HCN99	22:30	142401133 NN		ROOM 10 FLOOR
HCN100	22:32	142401133 NN		ROOM 10 FLOOR

NOTES: INDICATED ABOVE OR CONTAINING "NN" MEANS "NOT NEEDED".

ALL ROOMS TO BE CONNECTED TO THE MAIN POWER SYSTEM. ALL ROOMS

[illegible]

WOOD STUD WALL SCHEDULE									
ITEM	DESCRIPTION	UNIT	QTY	PRICE	AMOUNT	TOTAL	REMARKS	DATE	BY
1	2x4 STUDS	LF	100	1.44	144.00				
2	2x6 STUDS	LF	100	2.88	288.00				
3	2x8 STUDS	LF	100	4.32	432.00				
4	2x10 STUDS	LF	100	5.76	576.00				
5	2x12 STUDS	LF	100	7.20	720.00				
6	2x14 STUDS	LF	100	8.64	864.00				
7	2x16 STUDS	LF	100	10.08	1008.00				
8	2x18 STUDS	LF	100	11.52	1152.00				
9	2x20 STUDS	LF	100	12.96	1296.00				
10	2x22 STUDS	LF	100	14.40	1440.00				
11	2x24 STUDS	LF	100	15.84	1584.00				
12	2x26 STUDS	LF	100	17.28	1728.00				
13	2x28 STUDS	LF	100	18.72	1872.00				
14	2x30 STUDS	LF	100	20.16	2016.00				
15	2x32 STUDS	LF	100	21.60	2160.00				
16	2x34 STUDS	LF	100	23.04	2304.00				
17	2x36 STUDS	LF	100	24.48	2448.00				
18	2x38 STUDS	LF	100	25.92	2592.00				
19	2x40 STUDS	LF	100	27.36	2736.00				
20	2x42 STUDS	LF	100	28.80	2880.00				
21	2x44 STUDS	LF	100	30.24	3024.00				
22	2x46 STUDS	LF	100	31.68	3168.00				
23	2x48 STUDS	LF	100	33.12	3312.00				
24	2x50 STUDS	LF	100	34.56	3456.00				
25	2x52 STUDS	LF	100	36.00	3600.00				
26	2x54 STUDS	LF	100	37.44	3744.00				
27	2x56 STUDS	LF	100	38.88	3888.00				
28	2x58 STUDS	LF	100	40.32	4032.00				
29	2x60 STUDS	LF	100	41.76	4176.00				
30	2x62 STUDS	LF	100	43.20	4320.00				
31	2x64 STUDS	LF	100	44.64	4464.00				
32	2x66 STUDS	LF	100	46.08	4608.00				
33	2x68 STUDS	LF	100	47.52	4752.00				
34	2x70 STUDS	LF	100	48.96	4896.00				
35	2x72 STUDS	LF	100	50.40	5040.00				
36	2x74 STUDS	LF	100	51.84	5184.00				
37	2x76 STUDS	LF	100	53.28	5328.00				
38	2x78 STUDS	LF	100	54.72	5472.00				
39	2x80 STUDS	LF	100	56.16	5616.00				
40	2x82 STUDS	LF	100	57.60	5760.00				
41	2x84 STUDS	LF	100	59.04	5904.00				
42	2x86 STUDS	LF	100	60.48	6048.00				
43	2x88 STUDS	LF	100	61.92	6192.00				
44	2x90 STUDS	LF	100	63.36	6336.00				
45	2x92 STUDS	LF	100	64.80	6480.00				
46	2x94 STUDS	LF	100	66.24	6624.00				

NOTE: 1. FOR THE CASE NOT FOUND HERE, INFORM EN

DIAPHRAGM SHEATHING NAILS OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN 8" THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING.

CEILING JOIST SCHEDULE			
2x4 STUD GRADE • 24/16" O.C.	2x6 DPM GRADE • 24/16" O.C.	2x8 DPM GRADE • 24/16" O.C.	REMARKS
11/72'	16/16'	22/24'	

NOTES: FOR THE CASE NOT FOUND HERE, INFORMING FOR DESIGN

NO.	REVISION	DATE



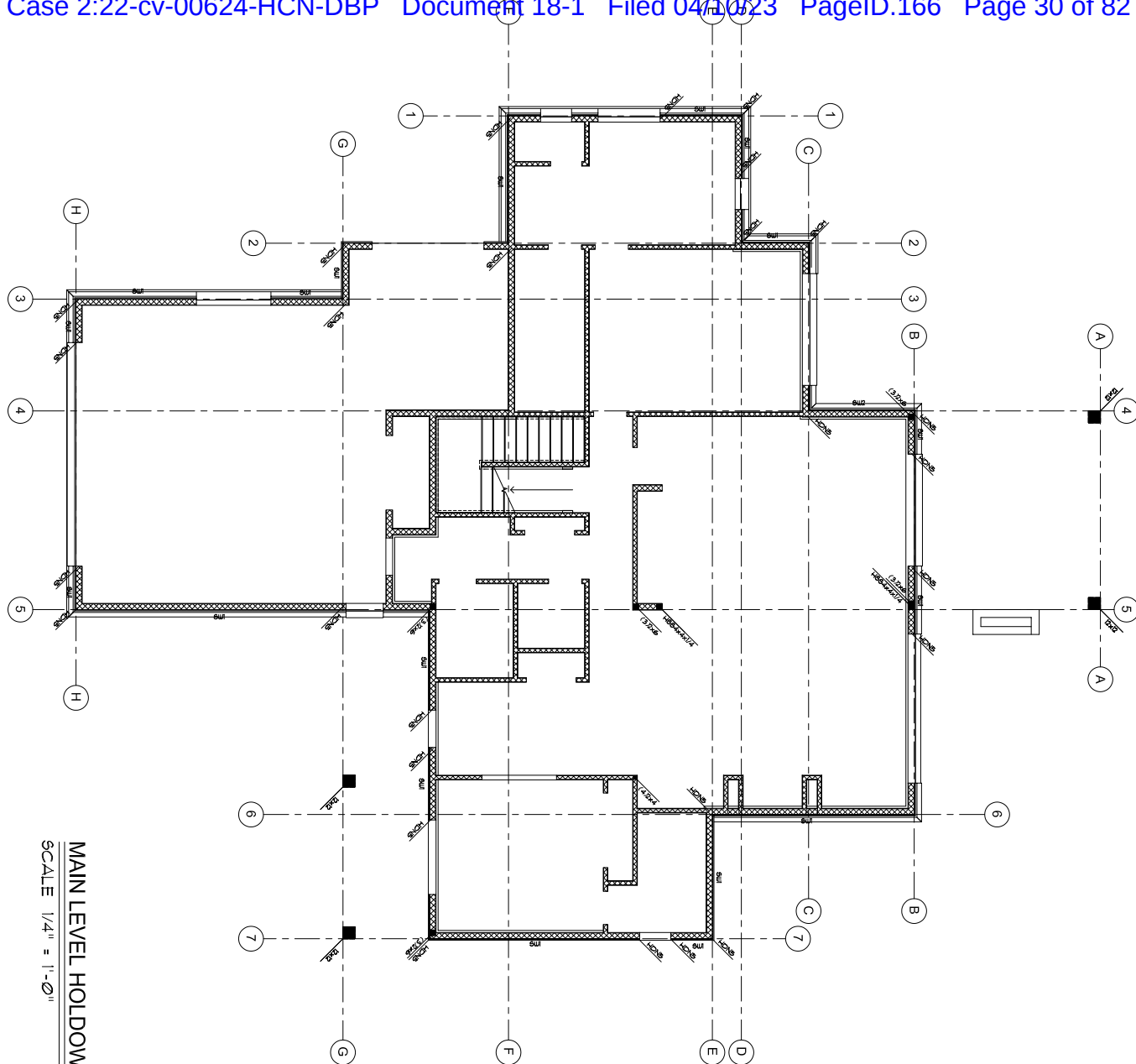
SHEN000006

HIGHSTAR CABIN 2800
KAMAS CITY, UTAH
6E17375

SE Shen Engineers, Inc.
Structural/Seismic Consultants
2225 E. MURRAY HOLLADAY RD.
SUITE 200
HOLLADAY, UTAH 84111
8012712625
E-mail: sheneng@seinc.com

SCALE
AS NOTED
DRAWING TITLE
STRUCTURE

DATE: 10/5/2017	DRAWING NO: S2.3
--------------------	---------------------



MAIN LEVEL HOLDOWN & SHEARWALL PLAN

SCALE 1/4" = 1'-0"

[illegible][illegible][illegible]

WOOD STUD WALL SCHEDULE					
ITEM	HEIGHT	2x4 STUDS	2x6 STUDS	2x8 STUDS	2x10 STUDS
1	8'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
2	10'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
3	12'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
4	14'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
5	16'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
6	18'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
7	20'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
8	22'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
9	24'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
10	26'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
11	28'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
12	30'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
13	32'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
14	34'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
15	36'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
16	38'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
17	40'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
18	42'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
19	44'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
20	46'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
21	48'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
22	50'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
23	52'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
24	54'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
25	56'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
26	58'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
27	60'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
28	62'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
29	64'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
30	66'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
31	68'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
32	70'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
33	72'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
34	74'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
35	76'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
36	78'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
37	80'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
38	82'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
39	84'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
40	86'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
41	88'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
42	90'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
43	92'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
44	94'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
45	96'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
46	98'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
47	100'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
48	102'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
49	104'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
50	106'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
51	108'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
52	110'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
53	112'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
54	114'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
55	116'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
56	118'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
57	120'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
58	122'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
59	124'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
60	126'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
61	128'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
62	130'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
63	132'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
64	134'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
65	136'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
66	138'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
67	140'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
68	142'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
69	144'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
70	146'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
71	148'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
72	150'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
73	152'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
74	154'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
75	156'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
76	158'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
77	160'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
78	162'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
79	164'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
80	166'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
81	168'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
82	170'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
83	172'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
84	174'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
85	176'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
86	178'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
87	180'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
88	182'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
89	184'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
90	186'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
91	188'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
92	190'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
93	192'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
94	194'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
95	196'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
96	198'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
97	200'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
98	202'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
99	204'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
100	206'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
101	208'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
102	210'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
103	212'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
104	214'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
105	216'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
106	218'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
107	220'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
108	222'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
109	224'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
110	226'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
111	228'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
112	230'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
113	232'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
114	234'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
115	236'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
116	238'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
117	240'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
118	242'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
119	244'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
120	246'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
121	248'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
122	250'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
123	252'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
124	254'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
125	256'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
126	258'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
127	260'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
128	262'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
129	264'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
130	266'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
131	268'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
132	270'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
133	272'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
134	274'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
135	276'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
136	278'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
137	280'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
138	282'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
139	284'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
140	286'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
141	288'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
142	290'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
143	292'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
144	294'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
145	296'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
146	298'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
147	300'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
148	302'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
149	304'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
150	306'-0"	2x4 @ 16" O.C.	2x6 @ 16" O.C.	2x8 @ 16" O.C.	2x10 @ 16" O.C.
151	3				

CEILING JOIST SCHEDULE			
2x4 STUD GRADE	2x6 DPM GRADE	2x8 DPM GRADE	REMARKS
24/16" O.C.	24/16" O.C.	24/16" O.C.	
11/24"	16/18"	22/24"	

DIAPHRAGM SHEATHING NAILS OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN 8" THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING.

NOTES: FOR THE CASE NOT FOUND HERE, INFORM ENG. FOR DESIGN

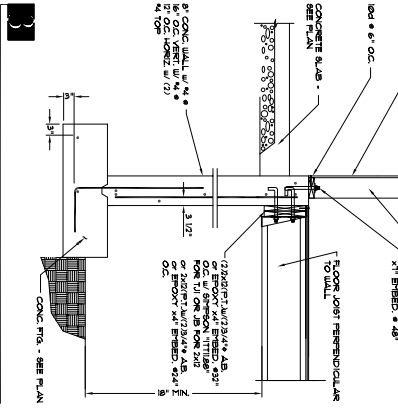
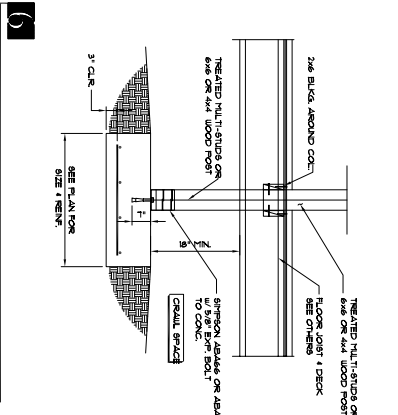
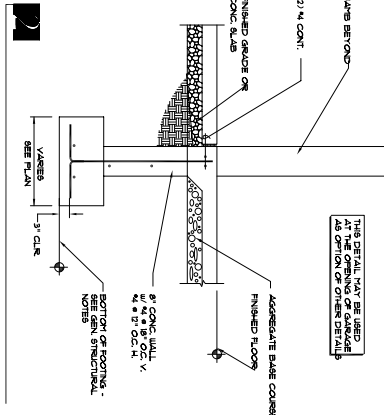
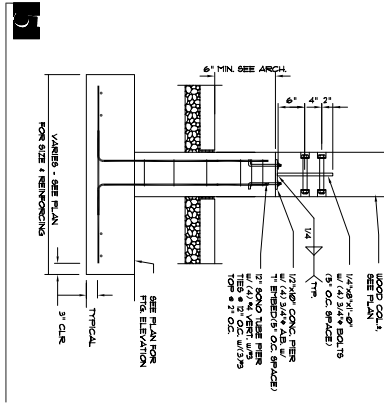
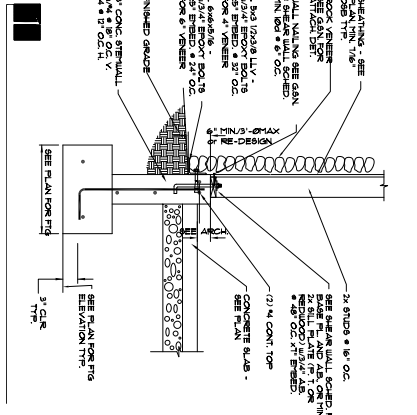
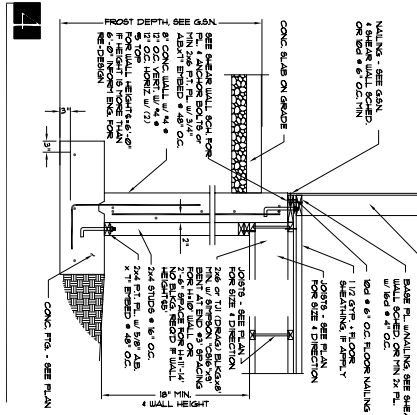
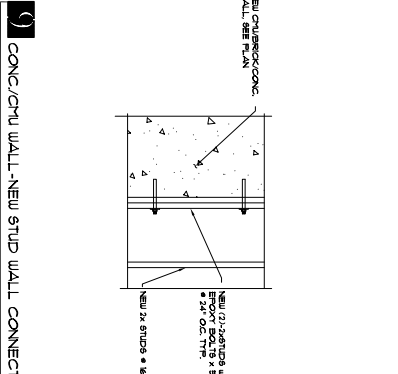
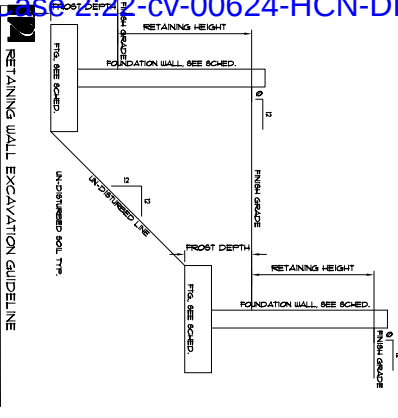
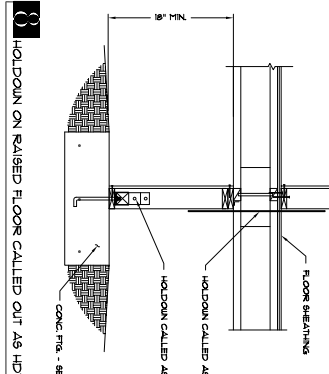
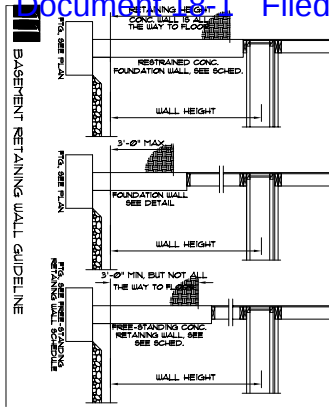
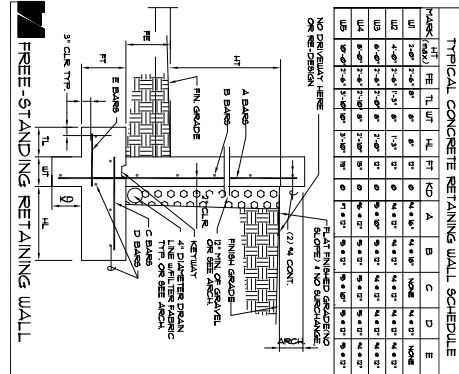
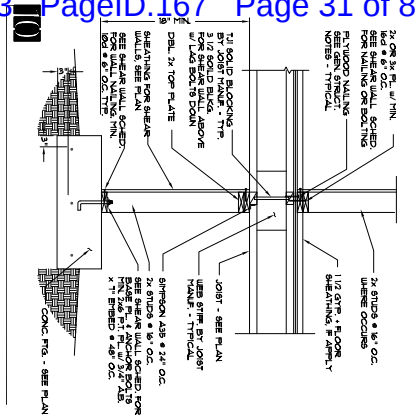
SE Shen Engineers, Inc.
Structural/Seismic Consultants
2225 E. MURRAY HOLLADAY RD.
SUITE 200
HOLLADAY, UTAH 84111
8012712625
E-mail: sheneng@seinc.com

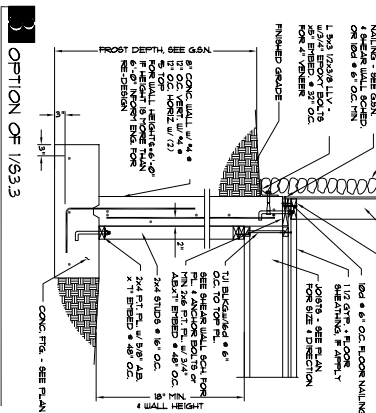
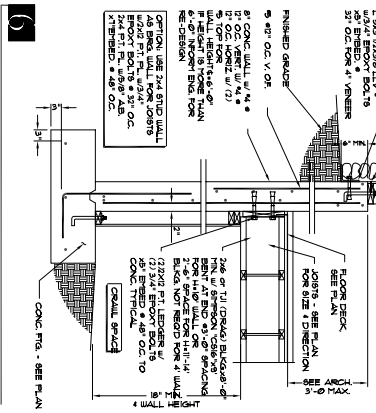
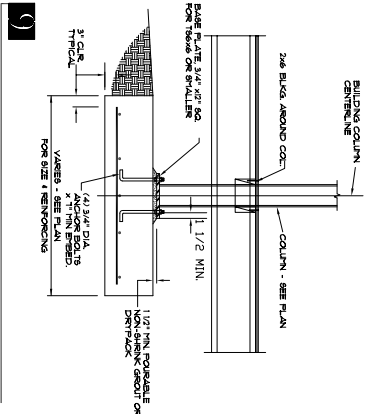
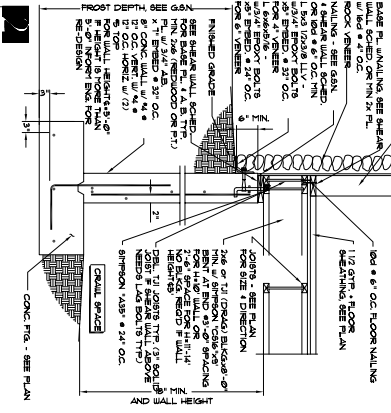
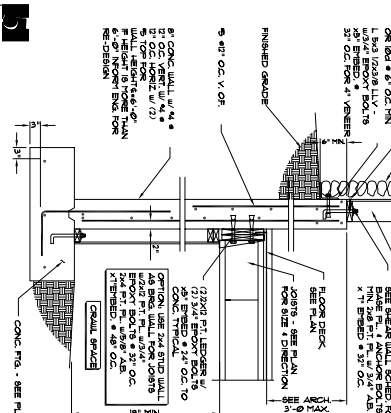
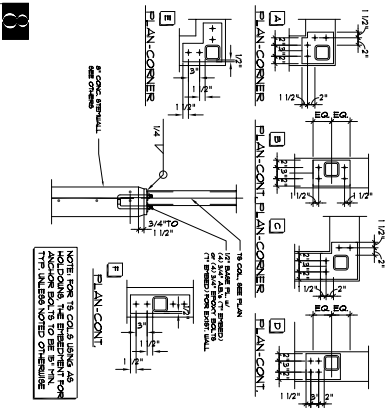
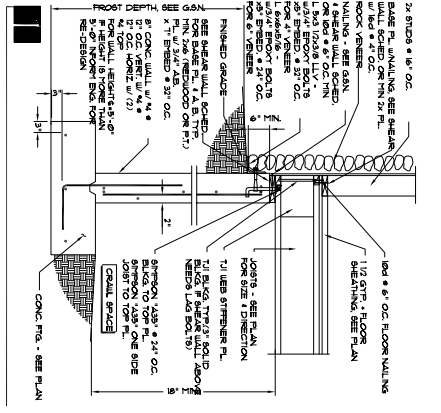
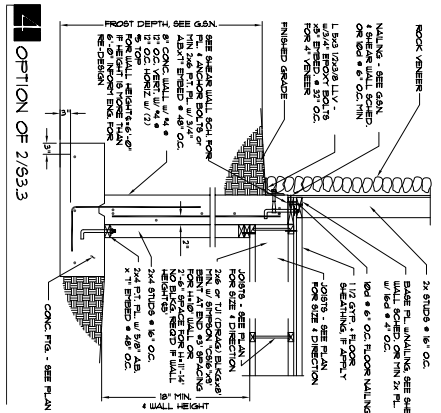
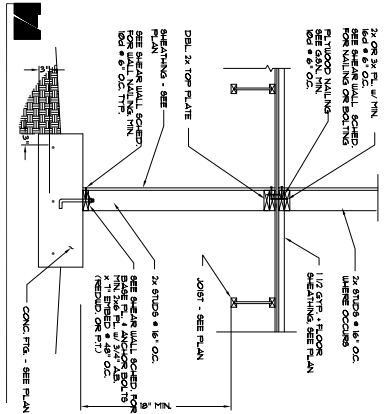
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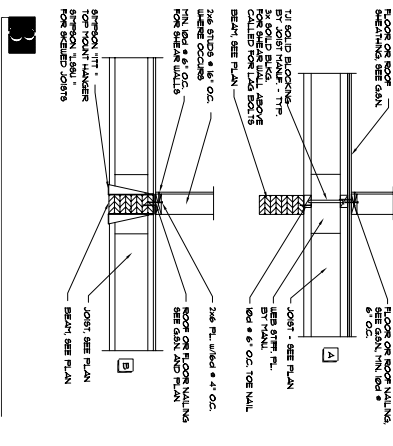
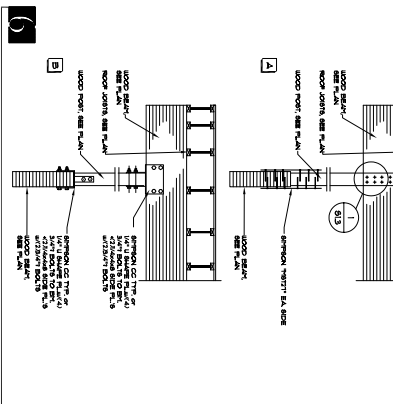
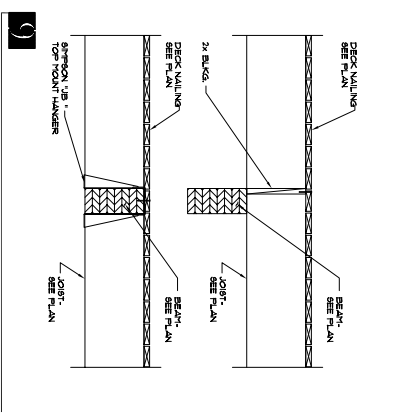
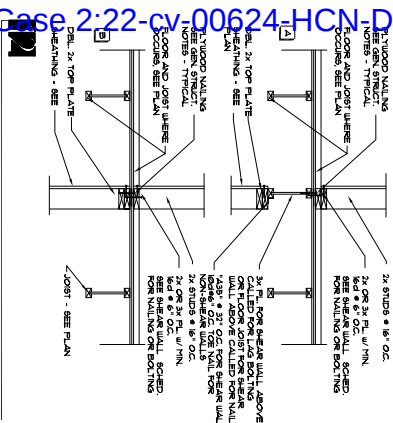
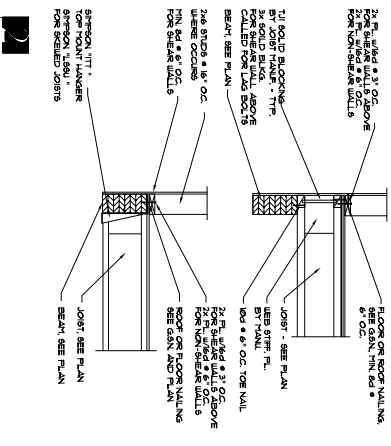
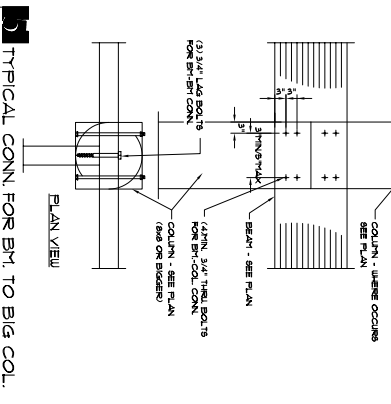
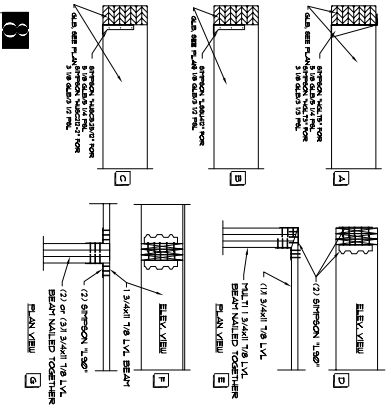
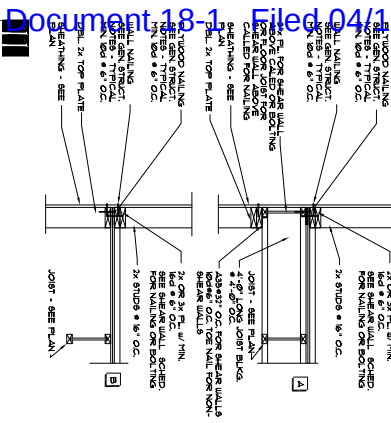
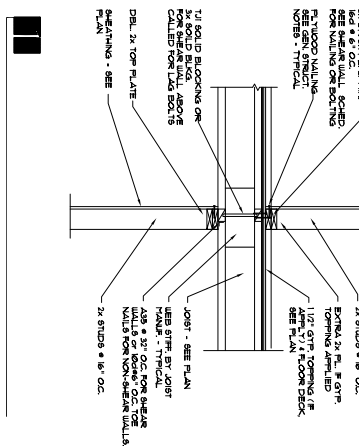
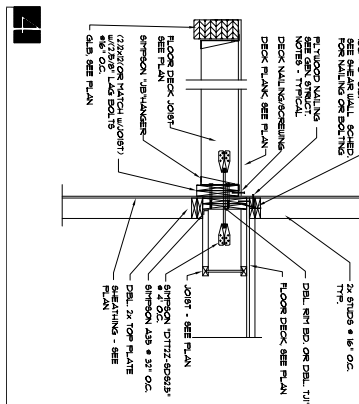
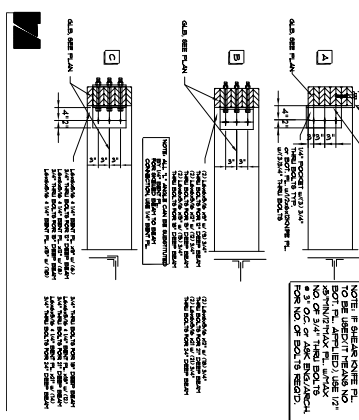
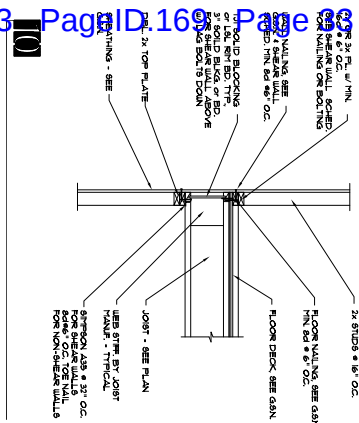
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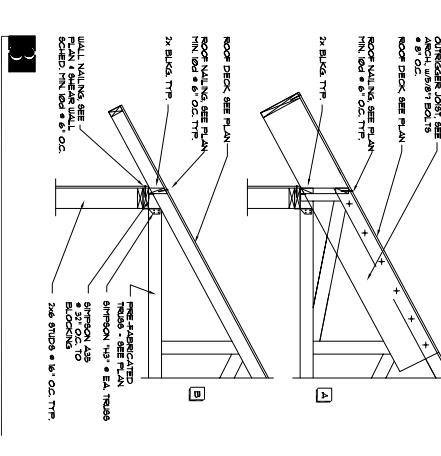
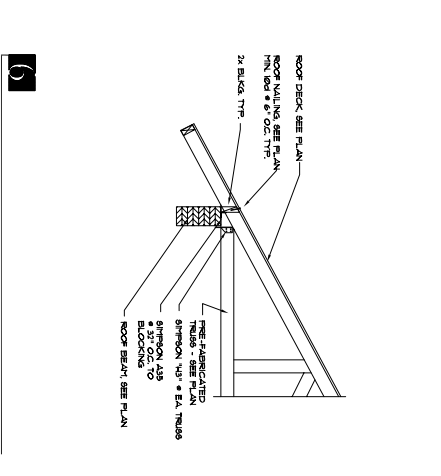
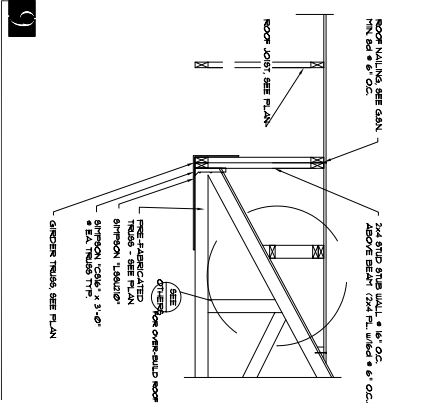
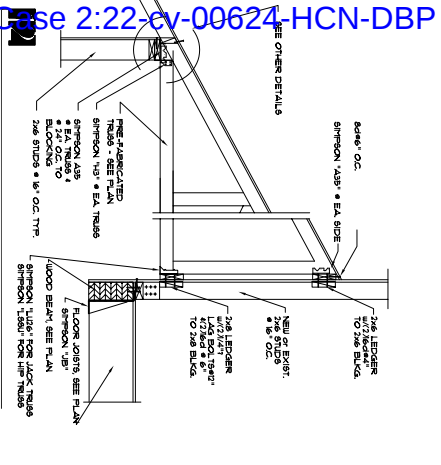
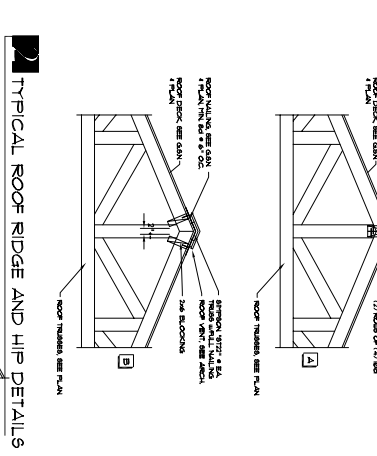
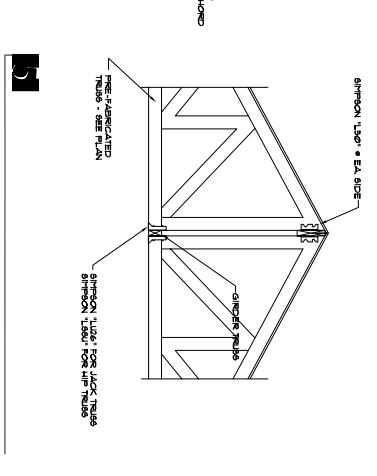
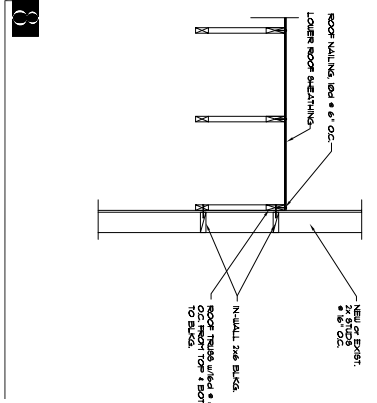
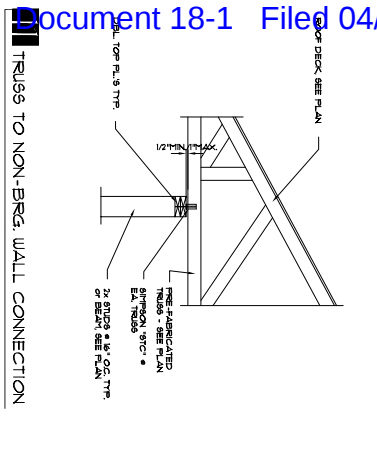
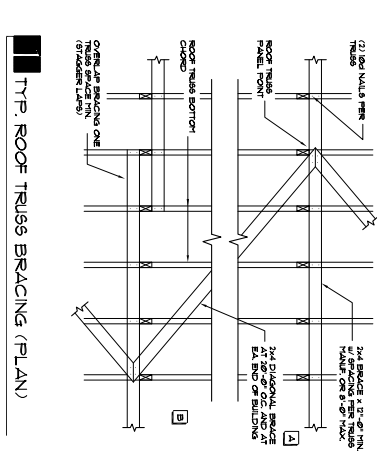
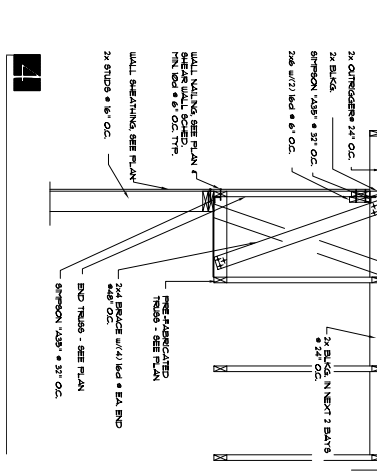
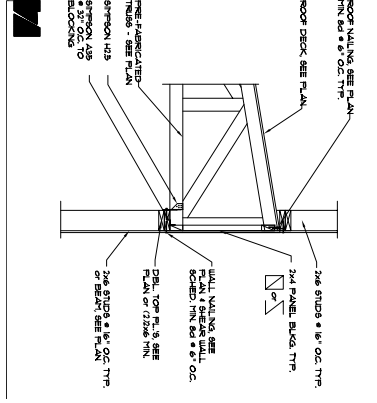
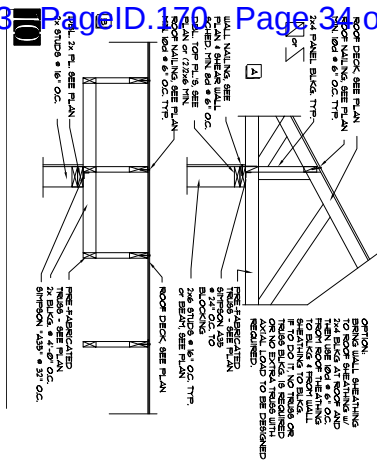
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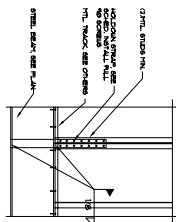
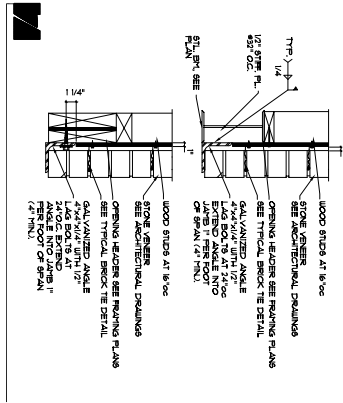




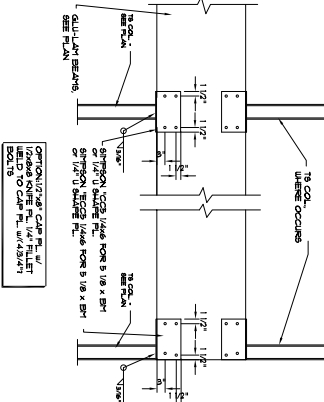
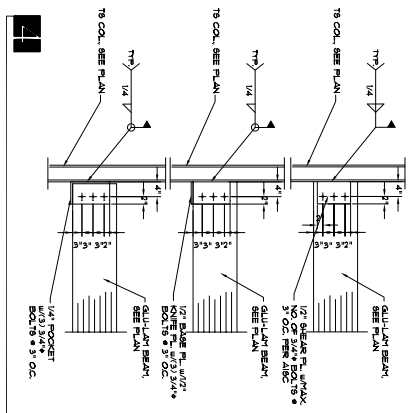




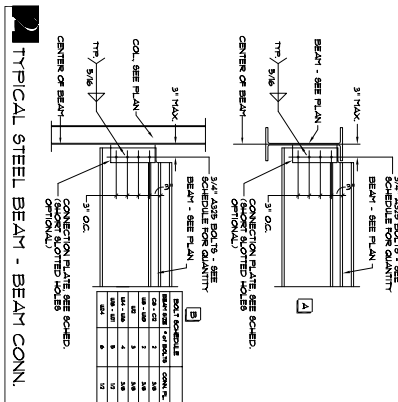
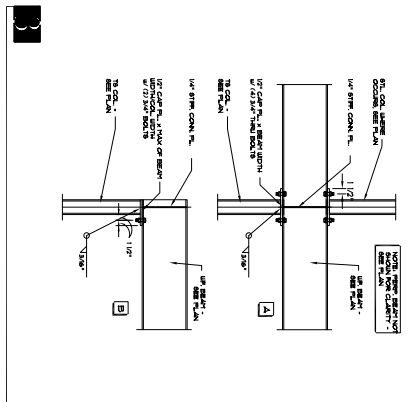




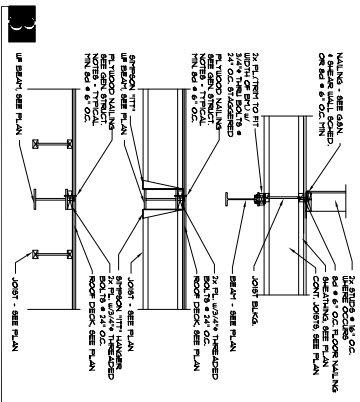
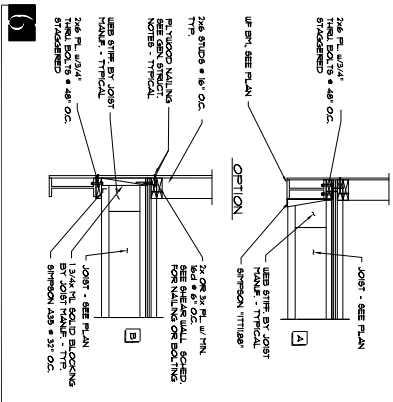
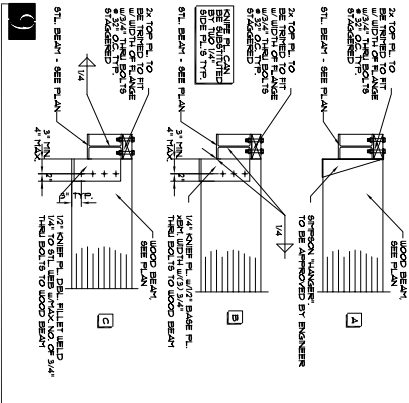
8 HOLDINGS AT FLOOR TO FLOOR



10 TYPICAL GLB TO TS COL. CONN.



12 TYPICAL STEEL BEAM - BEAM CONN.



DRAWING NO.
S5.1

DATE:
05/9/2021

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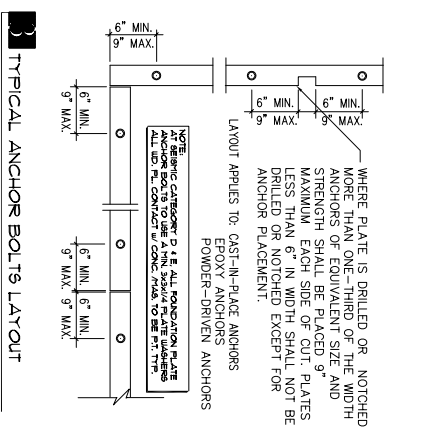
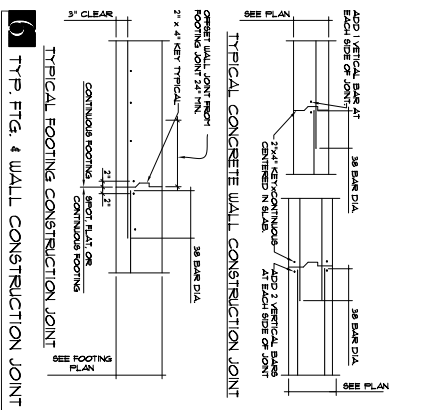
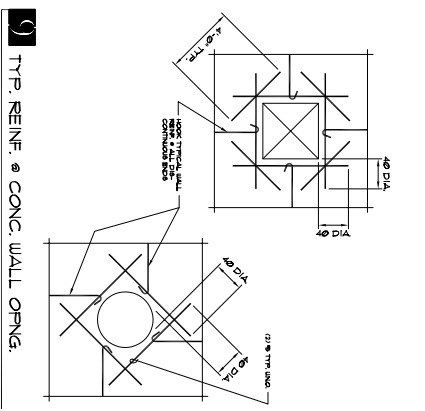
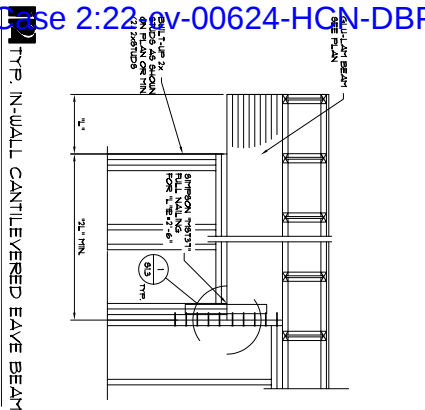
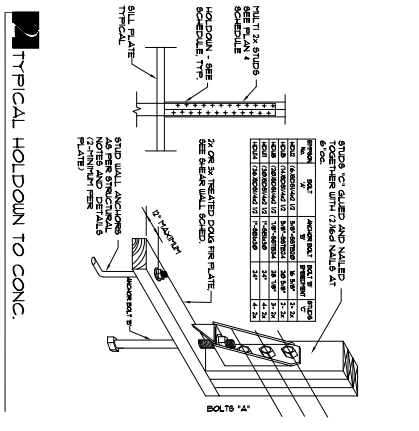
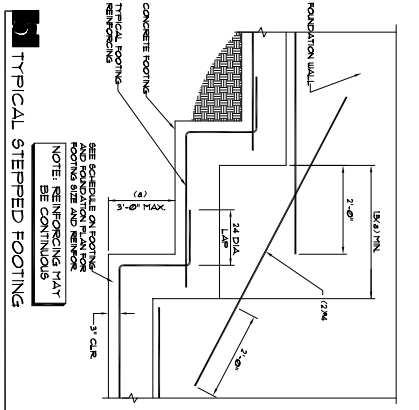
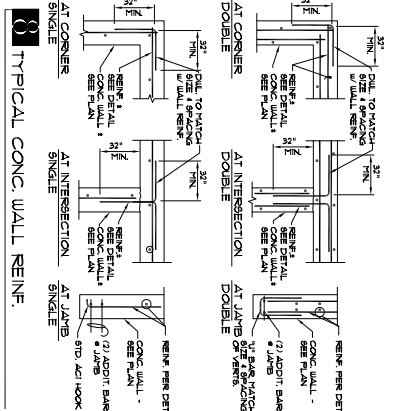
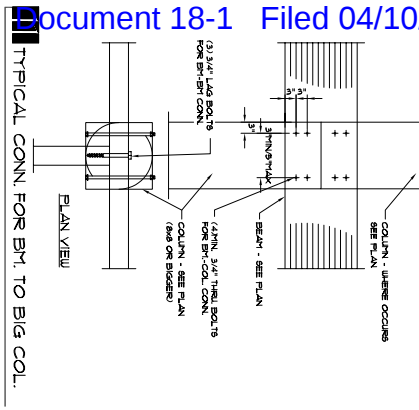
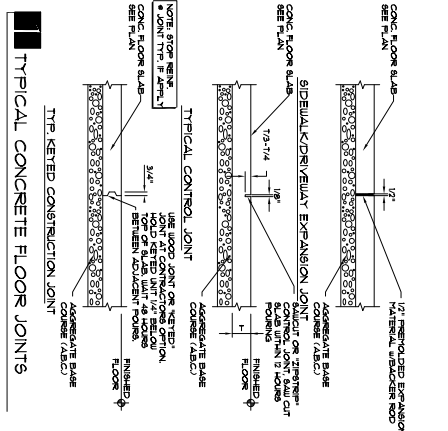
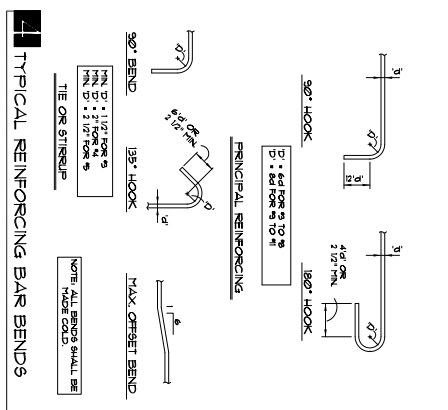
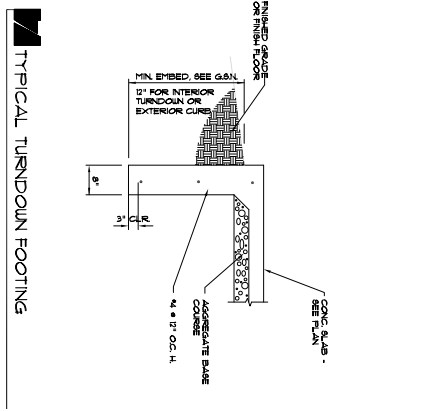
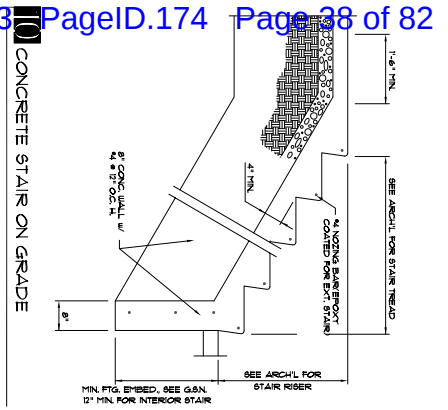
KAMAS CITY, UTAH
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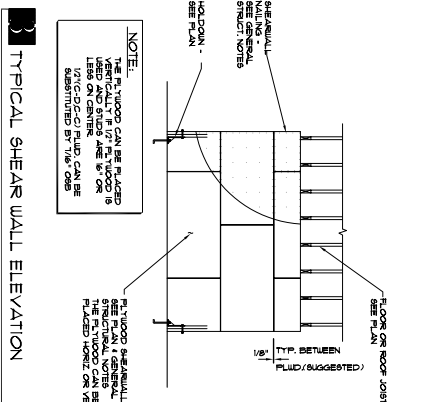
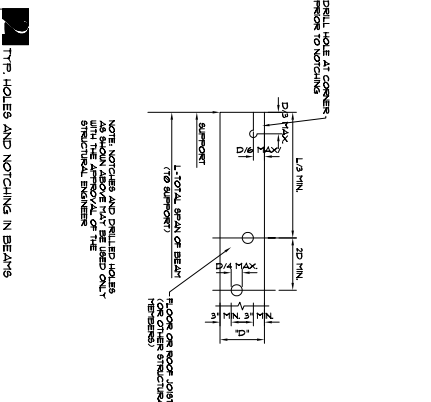
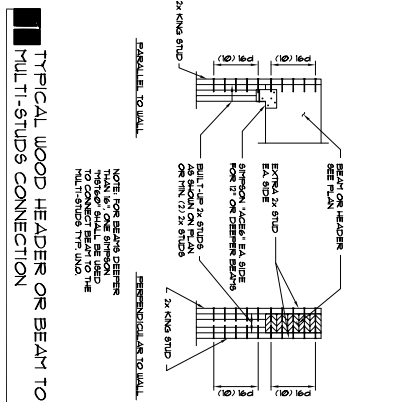
Shen Engineers, Inc.
2225 E. MURRAY HOLLADAY RD
SUITE 200
HOLLADAY, UTAH 84301
801.271.2625
E-mail: sheneng@shen.com

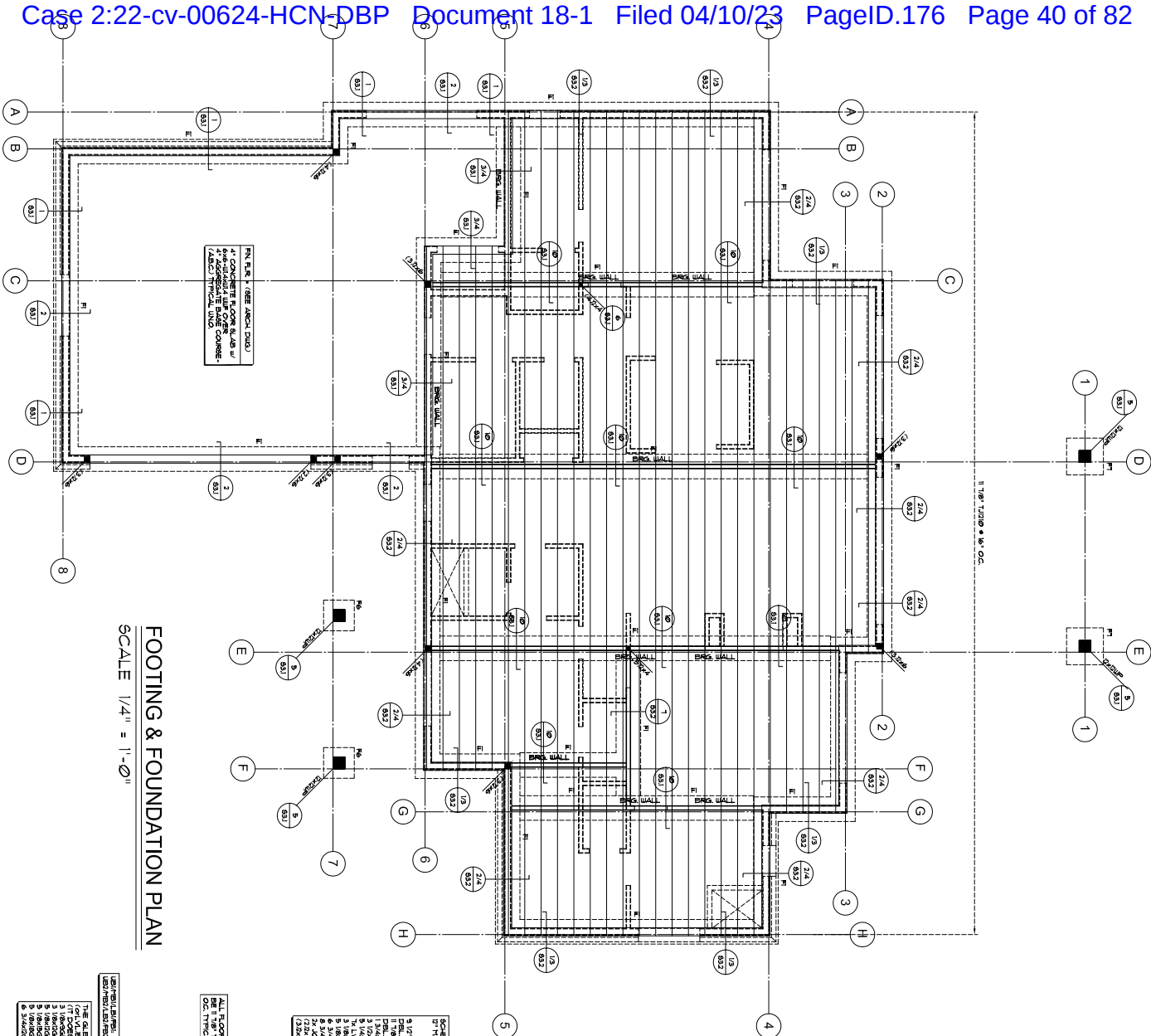
NO.	REVISION	DATE



EXHIBIT C







FOOTING & FOUNDATION PLAN

SCALE 1/4" = 1'-0"

[illegible]

TYPICAL FLOOR BECK:
3/4" FLUD-008 SHEATHING SPAN RATING 40/20
SEE GENERAL STRUCTURAL NOTES-TYPICAL
8d 16" O.C. AT ALL PANEL EDGES, SUPPORTED
EDGES AND AT TOP OF BEAR WALLS
8d 16" O.C. AT ALL PANEL FIELD
PLACE SHEATHING LONG-WISE ACROSS RAYING,
57KGEER END JOINTS, UNBLOCKED DIAPHRAGM.

NO.	REVISION	DATE



FOOTING SCHEDULE			
BASED ON SOIL BEARING = 3,000 P.S.F.			
ALLOWED MAXIMUM SPACING 1'			
MARK	SIZE	REINFORCEMENT	REMARKS
F1	3'-0" x 6" x 12"	(2) #3 @ 14" CONT.	
F2	2'-6" x 6" x 12"	(2) #3 @ 14" CONT.	
F3	3'-0" x 6" x 12"	(3) #3 @ 14" CONT.	
F4	1'-4" x 6" x 12"	(2) #3 @ 14" CONT.	THICKENED SLAB
F5	2'-0" x 6" x 12"	(2) #3 @ 14" CONT.	THICKENED SLAB
F6	2'-0" x 6" x 12"	(2) #3 @ 14" CONT.	
F7	3'-0" x 6" x 12"	(3) #3 @ 14" CONT.	
F8	3'-4" x 6" x 12"	(4) #3 @ 14" CONT.	
F9	4'-0" x 6" x 12"	(4) #3 @ 14" CONT.	
F10	4'-4" x 6" x 12"	(4) #3 @ 14" CONT.	
F11	5'-0" x 6" x 12"	(5) #3 @ 14" CONT.	
F12	5'-6" x 6" x 12"	(6) #3 @ 14" CONT.	
F13	6'-0" x 6" x 12"	(6) #3 @ 14" CONT.	
F14	1'-0" x 6" x 14"	(6) #3 @ 14" CONT.	
F15	2'-0" x 6" x 14"	(8) #3 @ 14" CONT.	
F16	4'-0" x 6" x 12"	(6) #3 @ 14" CONT.	
F17	5'-0" x 6" x 12"	(6) #3 @ 14" CONT.	
F18	5'-0" x 6" x 12"	(6) #3 @ 14" CONT.	

1. WEREN'T TO STAY LOOSELY AND HEIGHT IN FIELD
2. CONCRETE THROUGHOUT THE ENTIRE BASE AT CORNERS.
3. LAP BARS TO BAR BARS WITHIN AT SPICES AND "E"
4. DO NOT POUR ANY CONCRETE UNTIL THE FORMS ARE
5. SECURED AND SUPPORTED AND ALL REBAR IS IN PLACE
6. 3. DO NOT PERMIT REIN. GRADE TO COME CLOSER THAN 6" TO CONCRETE.
7. 4. FOR FOUNDATIONS REBAR REINSECTIONS FOR FOUNDATION WAS
8. OVER 6'-0" FORMS ARE NOT TO BE INSTALLED ON ONE SIDE
9. 5. PROVIDE A 1/4" - 6" REIN. DURING CONSTRUCTION OF FOOTING & FOUNDATION.
10. 6. ALL FASTENERS (IE NAILS, SCREWS, ANCHOR BOLTS, ETC.) IN
11. STEEL, STAINLESS STEEL, ALUMINUM, OR COATED ALUMINUM
12. SELL PLATED SHALL BE HOT-DIPPED, ZINC-POUNCE OR GALVANIZED
13. 7. ALL ANGLES FOR SUPPORTING MEMBERS ARE HOT-DIPPED GALVANIZED

FREE-STANDING
RETAINING WALL
SEE DET. 7/
\$3.1 FOR SCHED

CONCRETE POUR NOTES

9. ALL WOOD TO CONTACT w/ CONC. OR MASONRY TO BE P.T. OR REDWOOD TYP.

10. ALL FOUNDATION FL. ANCHOR BOLTS TO USE A MIN. 3/4"x1/4" FL. WASHERS TYP.

JOINTS PER STANDARD DETAIL. IN ADDITION, NO SECTION OF CONCRETE SHALL HAVE AN AFFECT RATIO OF GREATER THAN 1/21. PROVIDE (2" X 4" X 4") MID-HEIGHT SLAB BASES ADJACENT TO ALL DISCONTINUOUS JOINT LOCATIONS. ALL COLUMN ISOLATION JOINT COVERS ARE TO BE INTERSECTED BY A SLAB JOINT OR REINFORCED WITH SLAB BASES PER ABOVE. SUBMIT COMPLETE JOINT LAYOUT PLAN TO THE ARCHITECT FOR PRIOR REVIEW.

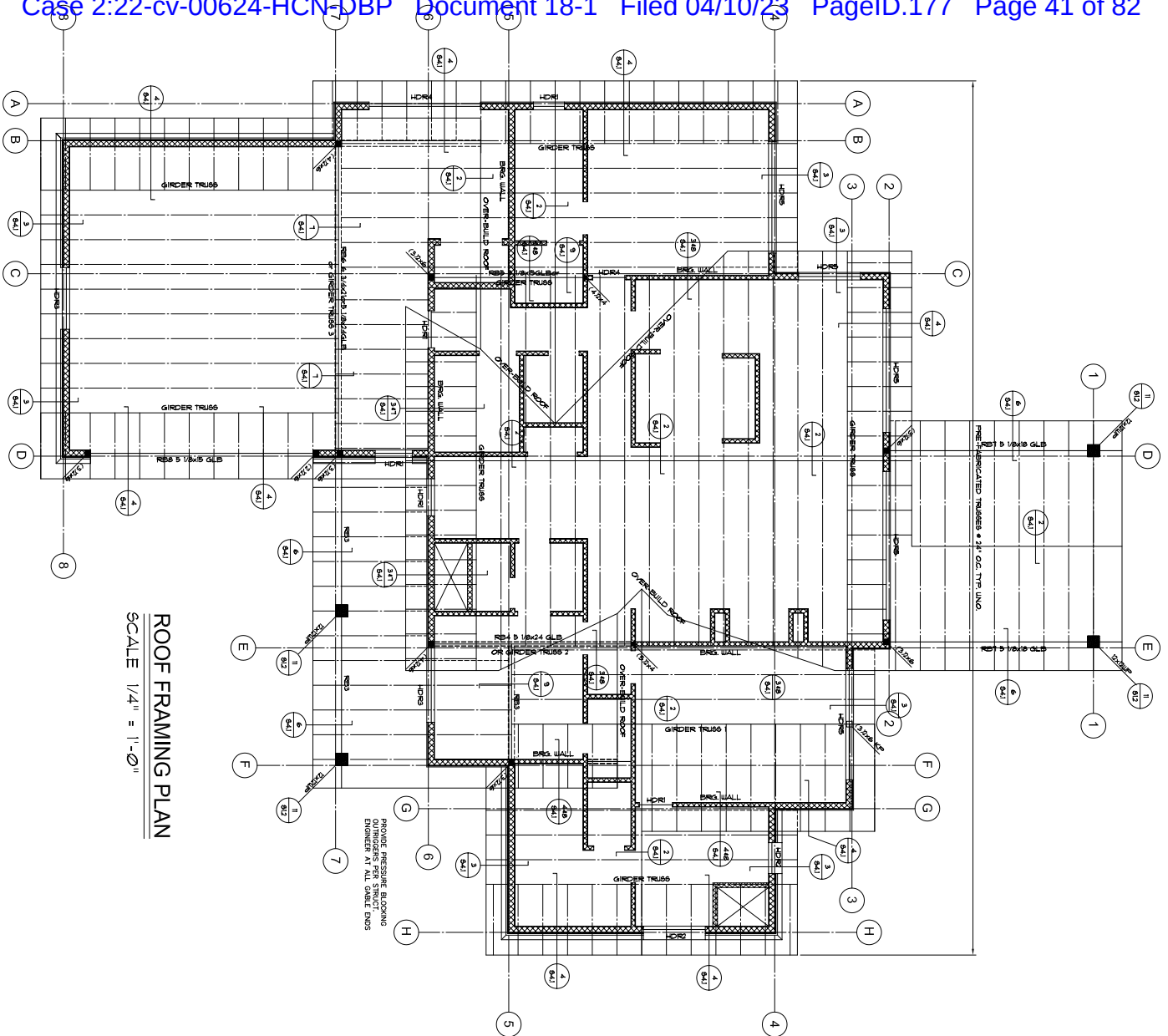
EPOXY BOLTS CALLED OUT ON PLAN ARE SPOON
 SET FOR CIVIL APPLICATION (CC ESSENT) &
 HIT TO ME 5000-88 EPOXY BOLTS FOR CONC.
 APPLICATIONS (CC 15 E99 2322).
 THE NOTING REQUIREMENT FOR ANCHOR BOLTS
 AND/OR REBAR DOUBTS ARE AS FOLLOWS:
 1/2" 5/8" 3/4" 1 1/4" 1 3/4" 2" 3/8"
 5/8" 1" 1 1/4" 1 3/4" 1 7/8"
 3/4" 1 7/8" 2" 3/4" 1 3/4" 2 1/8"

DATE: 8/21/2017	SCALE
	AS NOTED
	DRAWING TITLE
	STRUCTURE

HIGHSTAR CABIN 2050
KAMAS CITY, UTAH
9E17317



Shen Engineers, Inc.
Structural/Seismic Consultants
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ROOF FRAMING PLAN

SCALE 1/4" = 1'-0"

ROOF TRUSS DESIGN CRITERIA

MARK	DEAD LOAD		DEAD LOAD		DEAD LOAD	
	10 ppg	10 ppg	10 ppg	10 ppg	10 ppg	10 ppg
REGULAR TRUSSES	10 ppg	10 ppg	10 ppg	10 ppg	10 ppg	10 ppg
GIRDER TRUSSES	10 ppg	10 ppg	10 ppg	10 ppg	10 ppg	10 ppg

NOTE: ROOF DECK SHALL BE INCLUDED ON DESIGN. APPLIED
 10% OF ROOF DEAD LOAD SHALL BE APPLIED TO LOWER ROOF SLOPE DECK.
 DECK FLAT ON ROOF LOADS TO GIRDER TRUSSES IS APPLIED.

MIN. 1/2 OF ROOF SNOW LOAD SHALL BE APPLIED TO LOWER ROOF SNOW DRIFT. SEE PLAN FOR POINT LOADS TO GIRDERS TRUSSESS IF APPLICABLE.

A TRUSS PACKAGE MUST BE SUBMITTED TO THE BUILDING OFFICIAL AS A DEFERRED SUBMITTAL, PRIOR TO SUBMITTING TO THE CITY. THE PACKAGE MUST BE REVIEWED BY THE ENGINEER OF RECORD AND STAMPED FOR GENERAL CONFORMANCE. NO TRUSSES ARE TO BE INSTALLED UNTIL APPROVED BY THE BUILDING OFFICIAL.

FOR THOSE TRUSSES RIGHT ABOVE THE SHEAR WALLS, A LATERAL LOAD OF 240 PLF ACTING ON TOP OF TRUSS WILL BE INCLUDED ON THE DESIGN OF TRUSSES TYPE.

REB2: (21 3/4x11 7/8 LVL

1001 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917

- PROVIDE PRESSURE BLOCKING
OUTRIGGERS PER STRUCT.
ENGINEER AT ALL GABLE ENDS

HEADER SCHEDULE			
MARK	SIZE	END BRG.	REMARKS

HEADER SCHEDULE

HDR-1	(3.2/6)	(3.2/6)	σ (3.1, 3.4/5)	12.1%
HDR-2	(3.2/6)	(3.2/6)	σ (3.1, 3.4/5)	12.1%
HDR-3	(3.2/6)	(3.2/6)	σ (3.1, 3.4/5)	12.1%
HDR-4	(3.2/6)	(3.2/6)	σ (3.1, 3.4/5)	12.1%
HDR-5	5 (18/6)	(3.2/6)	σ (3.1, 3.4/6)	18.1%
HDR-6	(3.2/6)	(3.2/6)	σ (3.1, 3.4/5)	12.1%
HDR-7	(3.2/6)	(3.2/6)	σ (3.1, 3.4/5)	12.1%
HDR-8	(3.2/6)	(3.2/6)	σ (3.1, 3.4/5)	12.1%
HDR-9	(3.2/6)	(3.2/6)	σ (3.1, 3.4/5)	12.1%
HDR-10	3 (18/6)	(3.2/6)	σ (3.1, 3.4/6)	18.1%

NOTES:

1. GULF BEAMS SHALL BE COMBINATION SYMBOL, 24'-V4 FOR REGULAR BEAM AND 24'-V8 FOR CANTILEVERED BEAM TYPICAL.
2. ALL GULF BEAMS TO BE ZERO CAMBER BEAMS UNO.
3. ALL MULTI-SPAN BEAMS & STUDS SHALL BE NAILED TOGETHER W/1/2" SQUARE 6d @ 6" O.C. BOTH SIDES TYPICAL.

NUMBER OF KING STUDS:
ONE KING STUD FOR OPNS. 2'-0" TO 5'-0"
TWO KING STUDS FOR OPNS. 5'-0" TO 10'-0"
THREE KING STUDS FOR OPNS. 10'-0" TO 15'-0"
FOUR KING STUDS FOR OPNS. 15'-0" TO 20'-0"

TYPICAL ROOF DECK:

5/8" PLD/06B SHEATHING, 9' PAN RATING 32
SEE GENERAL STRUCTURAL NOTES-TYPICAL
NAILING:
10d @ 6" OC AT ALL PANE| EDGE/EA 9/16P/06B

EDGES, AND ALL TOP OF SHEAR WALLS
10 @ 12" O.C. AT ALL PANEL FIELD
PLACE SHEATHING LONG-WIRE ACROSS
6" AGGER END JOINTS, UNBLOCKED DIAPHRAGMS

HDR. HEADER, SEE SCHEDULE
HDN. HOLDOWN, SEE SCHEDULE
SHU. WOOD SHEAR WALL, SEE SCHEDULE
BULL BEARING WALL
BULL BEARING WALL, ABOVE
NEWLY NON-BEARING WALL
OBR. OVER-BUILD ROOF
GT. GIRDER TRUSS
KP. KING POST
DJ. DOUBLE JOISTS

NO.	REVISION	DATE



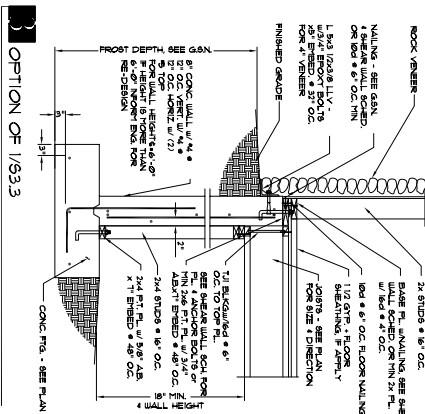
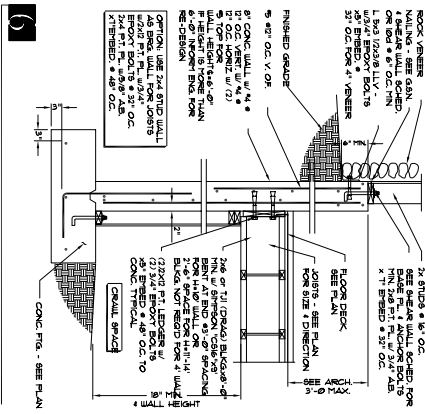
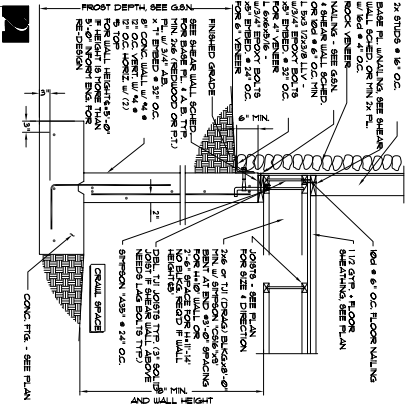
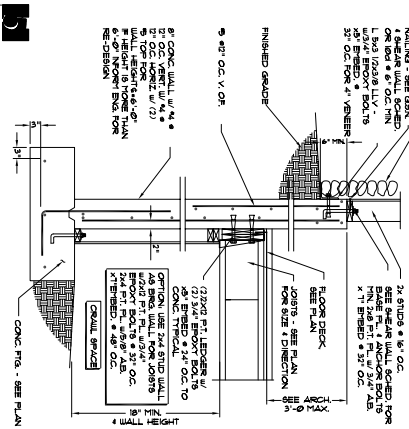
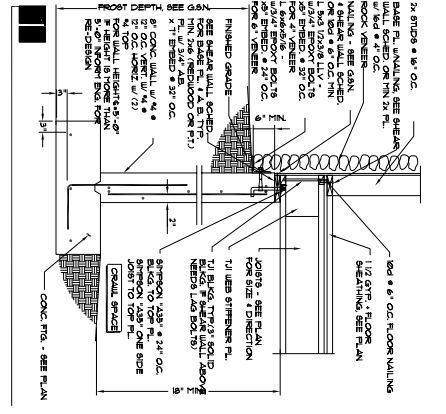
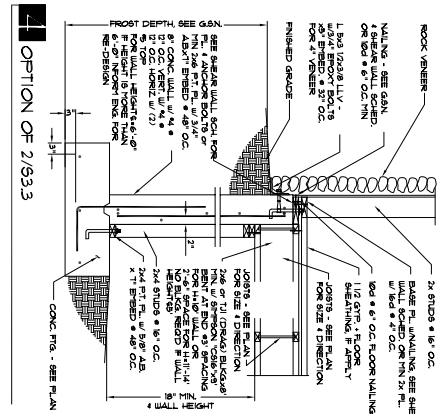
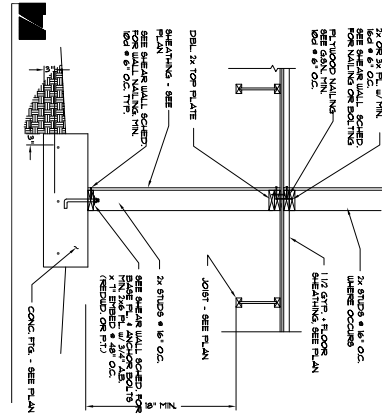
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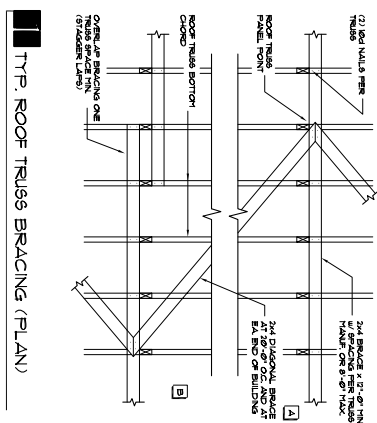
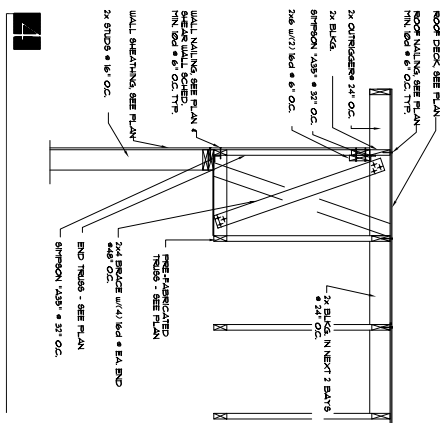
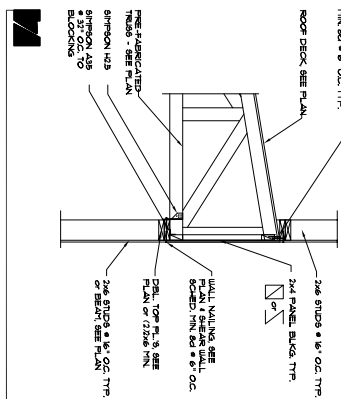
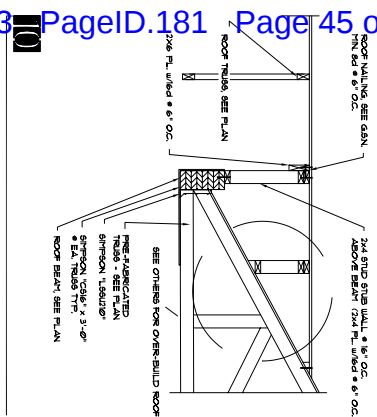


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E-mail: sheneng@men.com

SCALE
AS NOTED
DRAWING TITLE
STRUCTURE

DRAWINGS NO.
S2.2

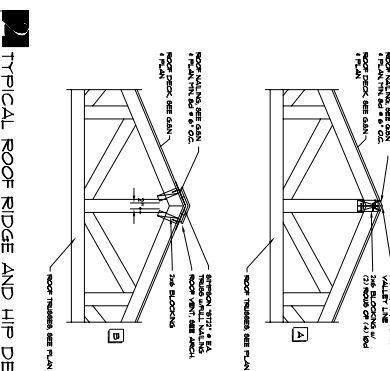
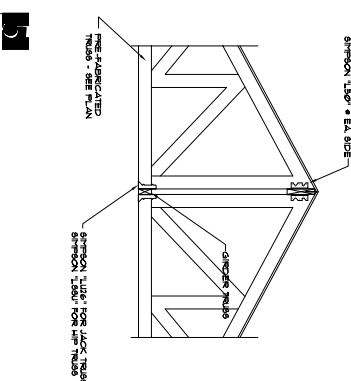
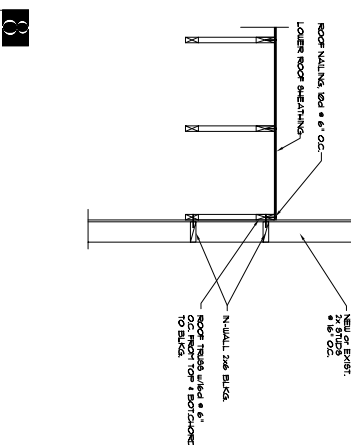
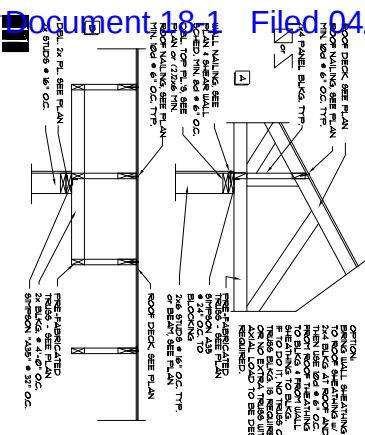




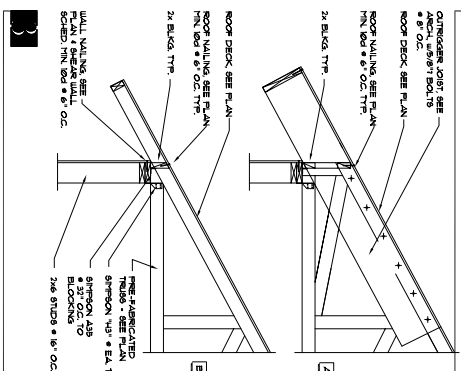
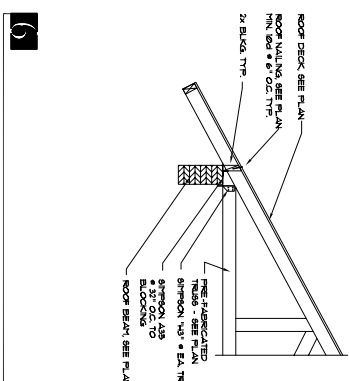
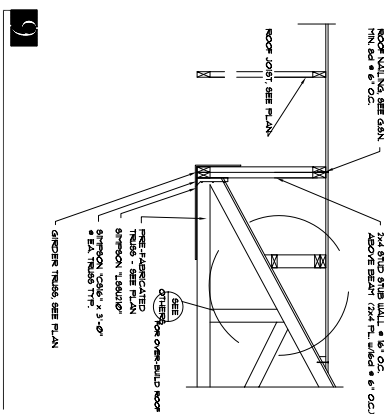
NO.	REVISION	DATE



SHEN000021



TYPICAL ROOF RIDGE AND HIP DETAILS



DATE: 8/27/2011	SCALE AS NOTED
	DRAWING TITLE STRUCTURE

HIGHSTAR CABIN 2050
KAMAS CITY, UTAH
SE17317

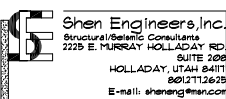


EXHIBIT D

GENERAL STRUCTURAL NOTES:

- I. GENERAL
- A. THE STRUCTURAL DRAWINGS SHOW THE COMPLETED PROJECT DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS SHALL BE THE BASIS FOR THE CONSTRUCTION OF THE PROJECT.
- B. CONTRACTOR SHALL COMPLY WITH ALL DIMENSIONS AND CONDITIONS OF THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- I. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- K. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- L. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- M. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- N. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- O. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- P. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- Q. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- R. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- S. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- T. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- U. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- V. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- W. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- X. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- Y. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.
- Z. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY DISCREPANCIES OR OMISSIONS.

HOLDOWN INSTALLATION WITH EPOXY BOLTS

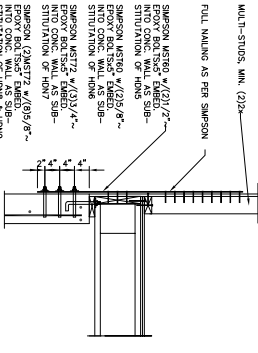


FIG. 1. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 2. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 3. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 4. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 5. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 6. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 7. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 8. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 9. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 10. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 11. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 12. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 13. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 14. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 15. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 16. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 17. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 18. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 19. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 20. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 21. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 22. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 23. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 24. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 25. HOLDOWN INSTALLATION WITH EPOXY BOLTS

HOLDOWN INSTALLATION WITH EPOXY BOLTS

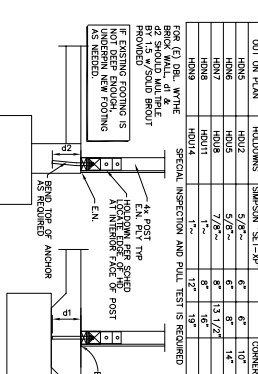


FIG. 1. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 2. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 3. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 4. HOLDOWN INSTALLATION WITH EPOXY BOLTS

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FIG. 14. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 15. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 16. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 17. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 18. HOLDOWN INSTALLATION WITH EPOXY BOLTS

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FIG. 22. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 23. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 24. HOLDOWN INSTALLATION WITH EPOXY BOLTS

FIG. 25. HOLDOWN INSTALLATION WITH EPOXY BOLTS

DATE: 11/9/2017

DRAWING NO: S1.1

SCALE: AS NOTED

DRAWING TITLE: STRUCTURE

PROJECT: HIGHSTAR CABIN 3300

LOT #53

KAMAS CITY, UTAH

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SHEN ENGINEERS, INC.

STRUCTURAL ENGINEER

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PROJECT NO: 1700017

DATE: 11/9/2017

REVISION: 1

REVISION: 2

REVISION: 3

REVISION: 4

REVISION: 5

REVISION: 6

REVISION: 7

REVISION: 8

REVISION: 9

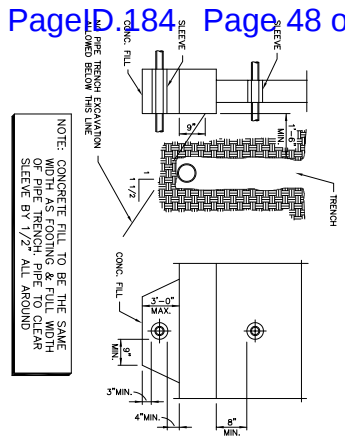
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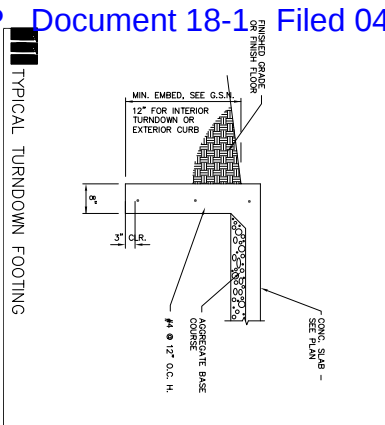
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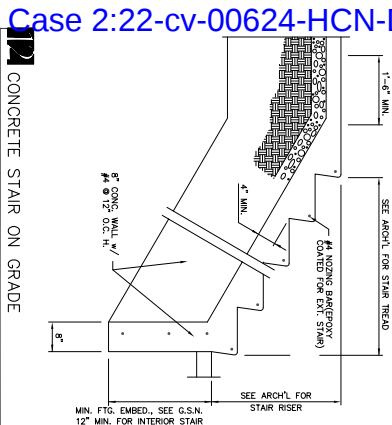
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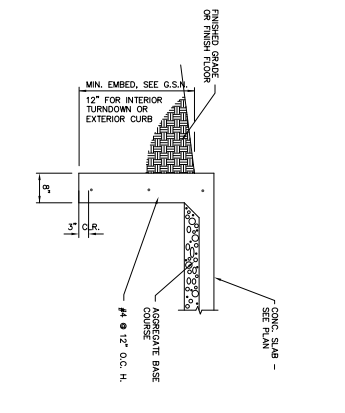
PIPES AT CONCRETE FOOTING



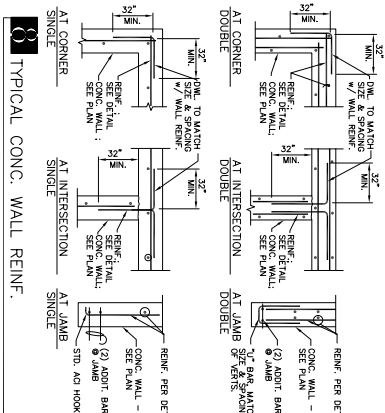
TYPICAL TURNDOWN FOOTING



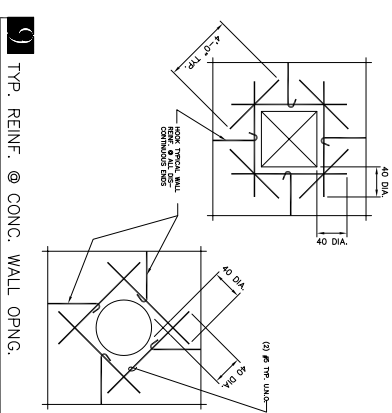
CONCRETE STAIR ON GRADE



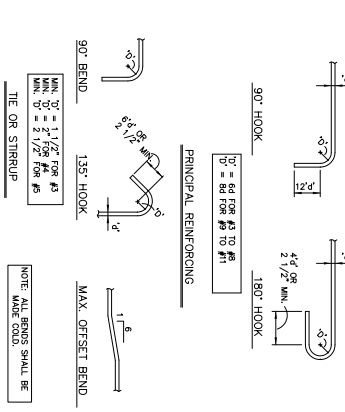
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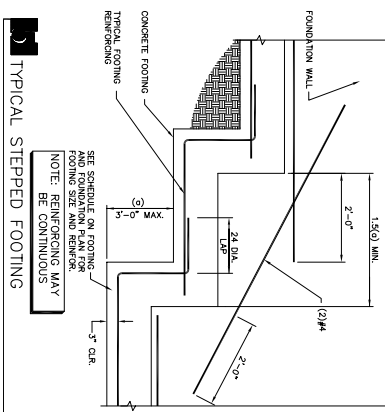
Q TYPICAL CONC. WALL REINF.



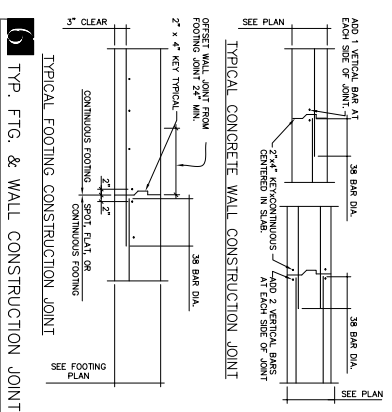
TYP. REINF. @ CONC. WALL OPNG.



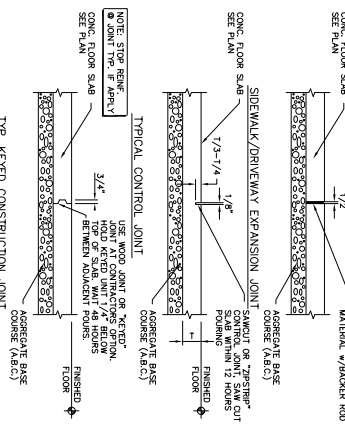
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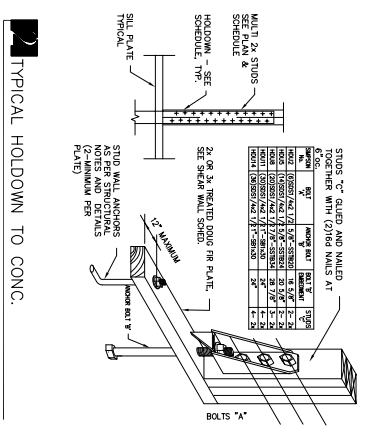
2) TYPICAL STEPPED FOOTING



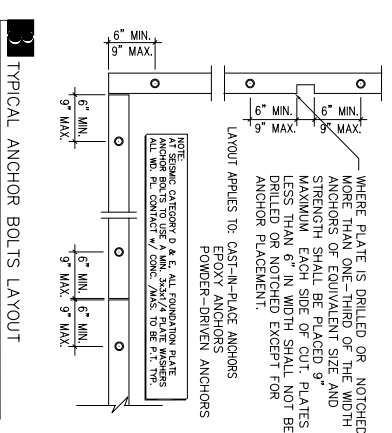
U TYP. FTG. & WALL CONSTRUCTION JO



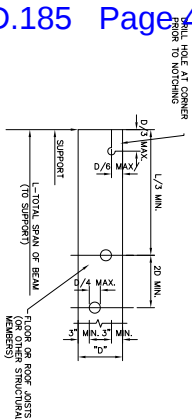
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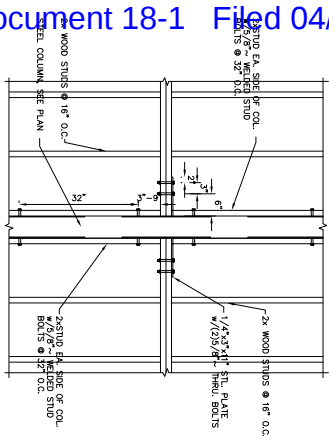
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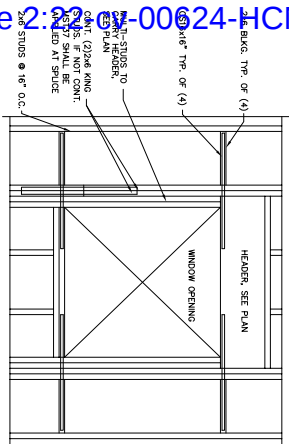
TYPICAL ANCHOR BOLTS LAYOUT



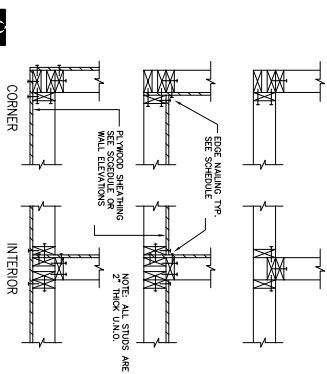
NOTE: NOTCHES AND DRILLED HOLES
AS SHOWN ABOVE MAY BE USED ONLY
WITH THE APPROVAL OF THE
STRUCTURAL ENGINEER



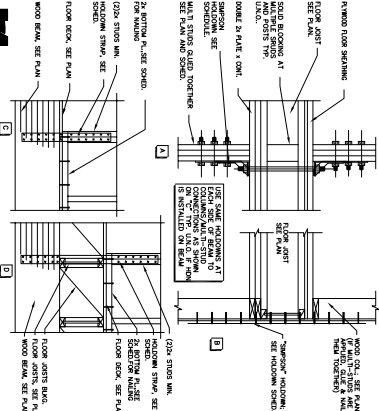
20 TYP. HOLES AND NOTCHING IN BEAMS



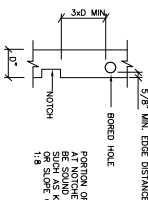
■ ■ ■ TYP. STEEL COLUMN TO STUD WALL CONNECTION



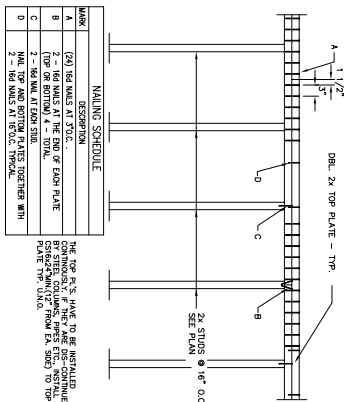
Q TYPICAL WALL INTERSECTION FRAMING


HOLDOWNS AT FLOOR TO FLOOR

WOOD STUD SIZE	BEARING		NON-BEARING	
	MAX. HOLE (40%)	MAX. HOLE (25%)	MAX. HOLE (60%)	MAX. HOLE (40%)
2x4	1 3/8"	7/8"	2 1/8"	1 3/8"
2x6	2 3/16"	1 3/8"	3 5/16"	2 3/16"



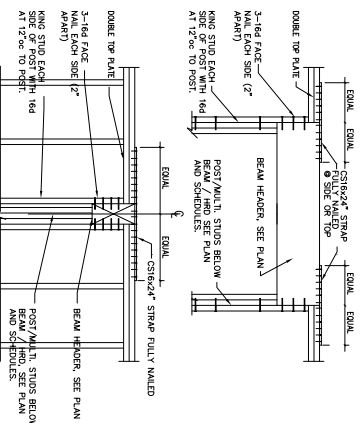
PORTION OF STUD REMAINING
AT NOTCHES & HOLES SHALL
BE SOUND WITHOUT WEAKNESSES
SUCH AS KNOTS, BREAKS, SPLIT
OR SLOPE OF GRAIN EXCEEDING
1:8



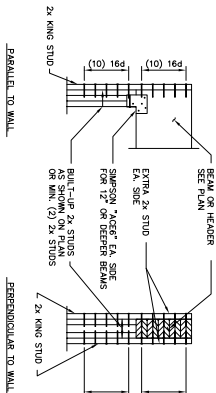
4 TYPICAL TOP PLATE SPLICE

[illegible]

NAIL/STAPLE EQUIVALENT TABLE

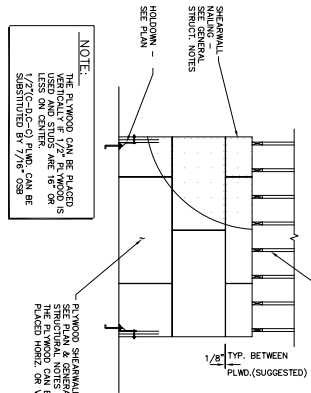
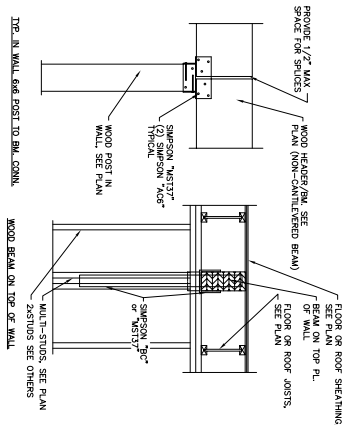


B TYP. TOP PL. THRU BEAM HEADER IN WALL



NOTE: FOR BEAMS DEEPER THAN 16", ONE SIMPSON "MST60" SHALL BE USED TO CONNECT BEAM TO THE MULTI-STUDS TYP. U.N.O.

MULTI-STUDS CONNECTION



NOTE:

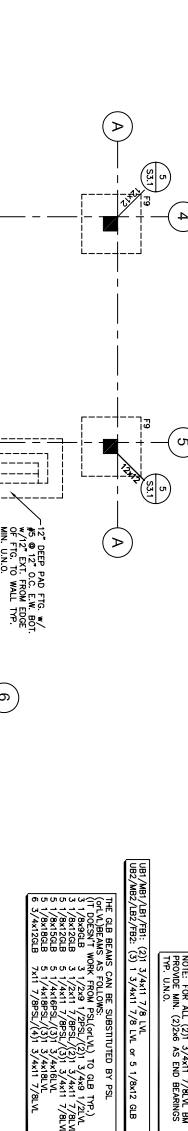
THE PLYWOOD CAN BE PLACED VERTICALLY IF 1/2" PLYWOOD IS USED AND STUDS ARE 16" OR LESS ON CENTER.

1/2"(G-D-C) PLYW. CAN BE SUBSTITUTED BY 7/16" OSB

PLYWOOD SHEATHING - SEE PLAN & GENERAL NOTES. THE PLYWOOD CAN BE PLACED HORIZ. OR VERT.

TYPICAL SHEAR WALL ELEVATION

NO.	REVISION	DATE



SCALE 1/4" = 1'-0"


1. MARK THE STEP LOCATIONS AND HEIGHT IN FIELD.
2. CONDUITS THROUGH FIRST AND SEVENTH FLOOR CORNERS.
3. LAY BACK 40 BAR DIAMETERS AT STEPS AND 10 BAR DIAMETERS AT CORNERS.
4. REBAR TO BE BUSHED AND SUPPORTED AND ALL REBAR IS IN PLACE AND CONCRETE.
5. SECOND FLOOR REBAR TO BE CAST CLOSER THAN 6" TO TOP OF CONCRETE.
6. FOR FOUNDATIONS REBAR SPACING FOR FOUNDATION WALLS SHALL BE 12" ON CENTER. REBAR SHALL BE BUSHED AND SUPPORTED. AFTER THE REBAR HAS BEEN INSPECTED AND APPROVED, PROVIDE A REINFORCING ANCHOR CONNECTION OF 6" TO 8" AT EACH END OF THE REBAR.
7. ALL FASBARS (IE WALK, STAIRS, JAMBO OR IS, ETC.) WHICH ARE TO BE INSTALLED IN PRESERVATIVE TREATED WOOD (IE DECK STEEL, STAIRS STEEL, STAIR BENCH OR CORNERPIECE) THE REQUIREMENTS OF THE 2004 IBCS.
8. REBAR FOR FOUNDATION DECKERS ARE NOT OPENED TO ALLOWED.

[illegible]

DATE: 11/5/2017	DRAWING NO. S2.1
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SCALE
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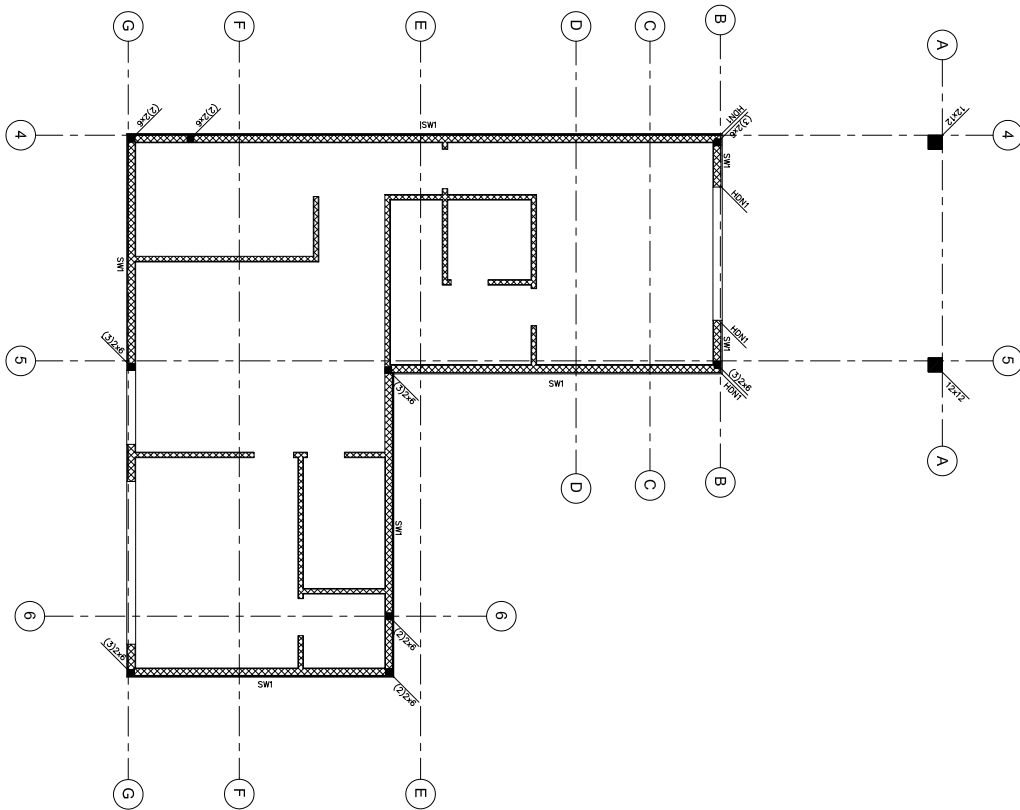
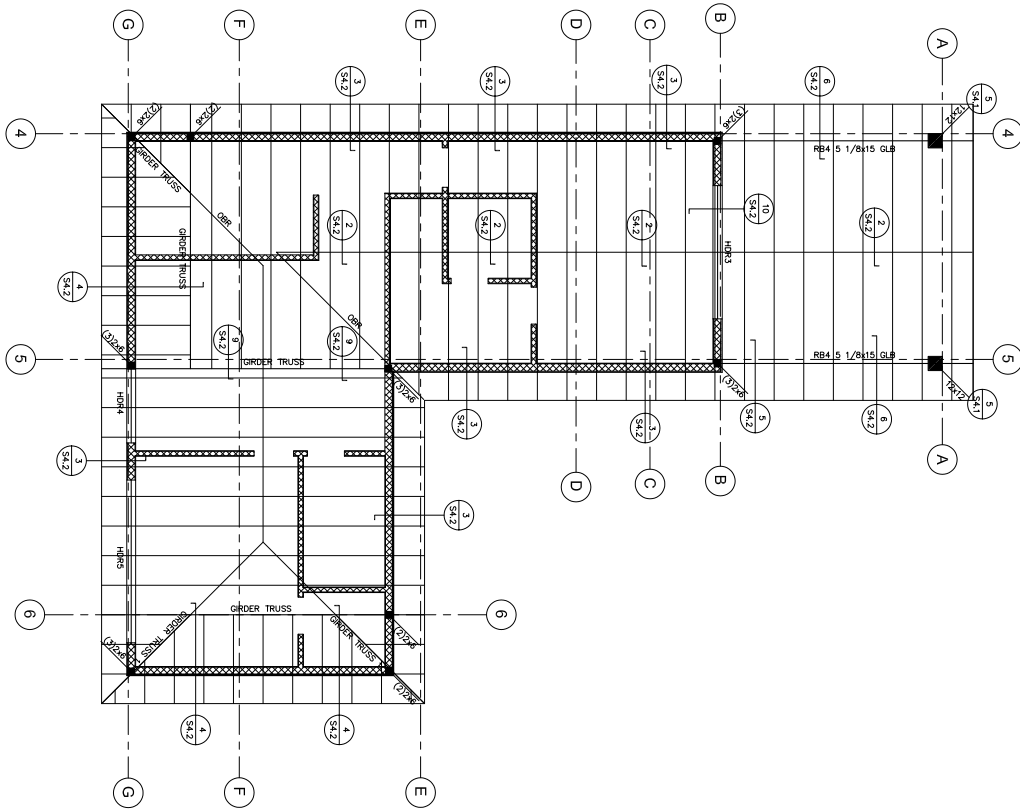
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LOT #53
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Shen Engineers, Inc.
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2225 E. MURRAY HOLLADAY RD.
SUITE 208
HOLLADAY, UTAH 84117
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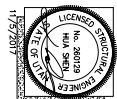
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11/5/2017
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S2.3

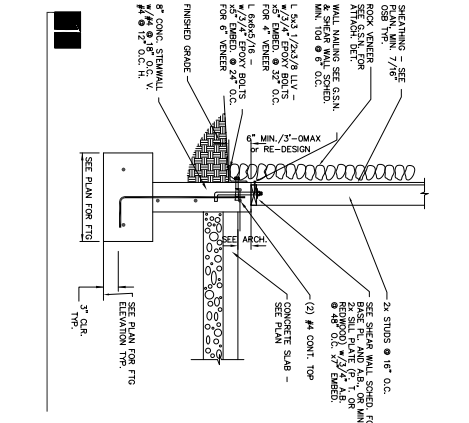
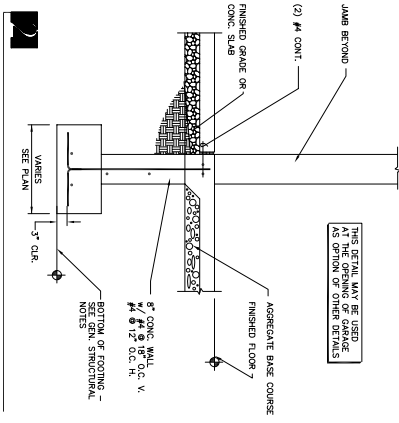
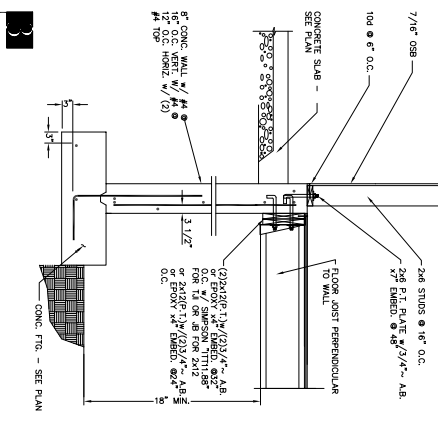
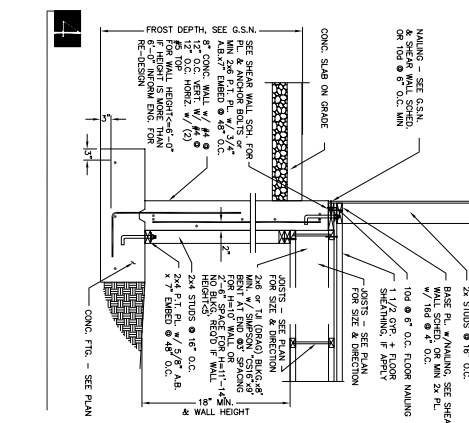
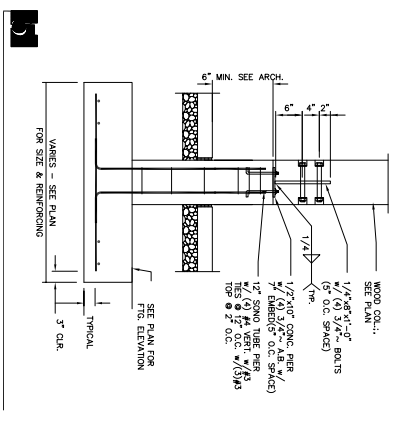
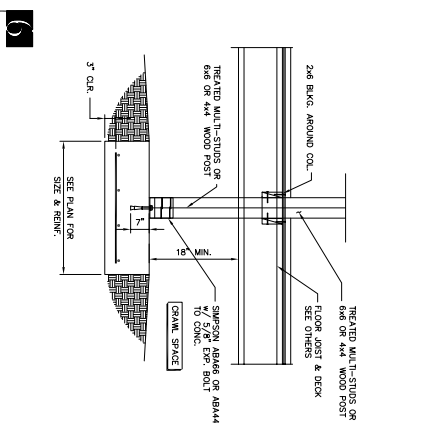
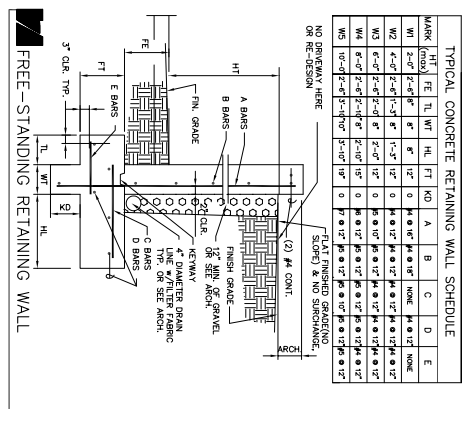
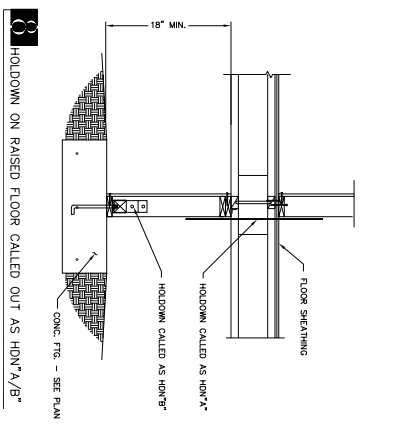
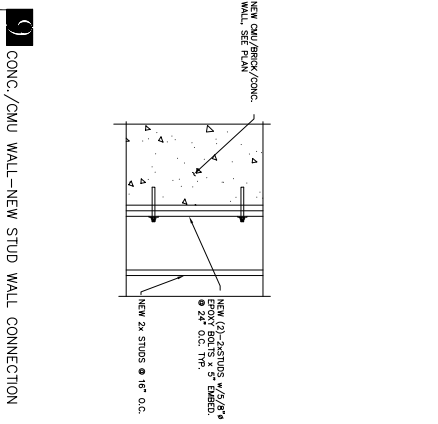
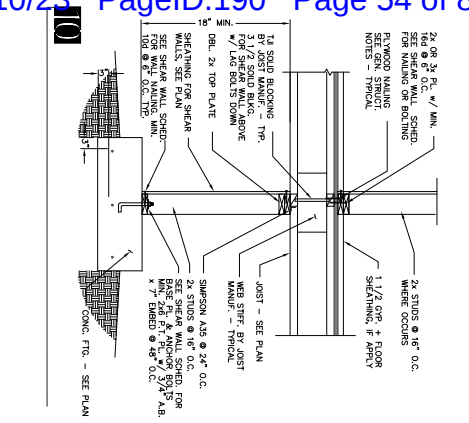
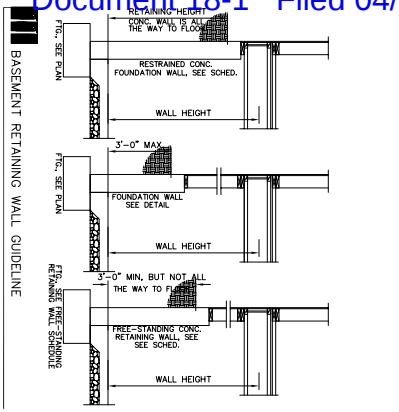
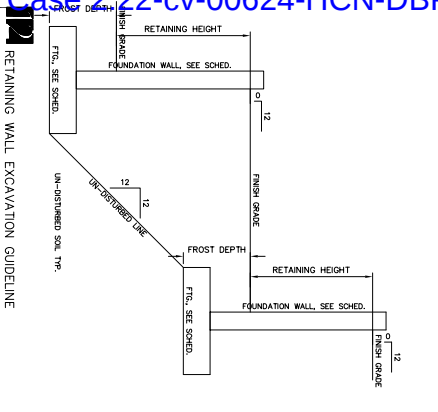
SCALE
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KAMAS CITY, UTAH
SE17424

SE Shen Engineers, Inc.
Structural/Seismic Consultants
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SUITE 208
HOLLADAY, UTAH 84117
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E-mail: sheneng@msn.com

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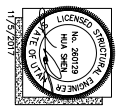
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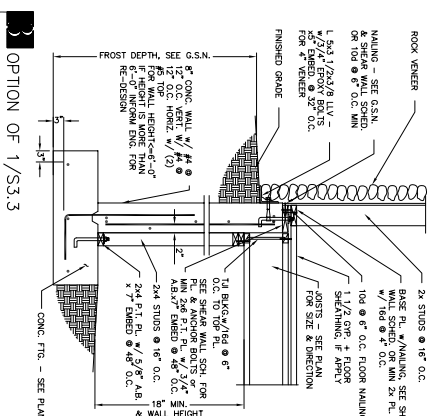
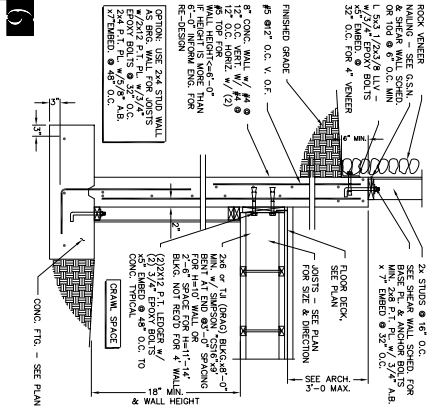
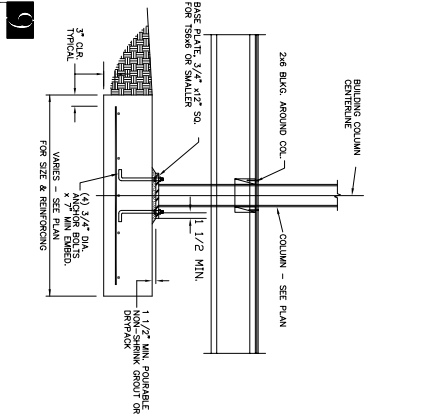
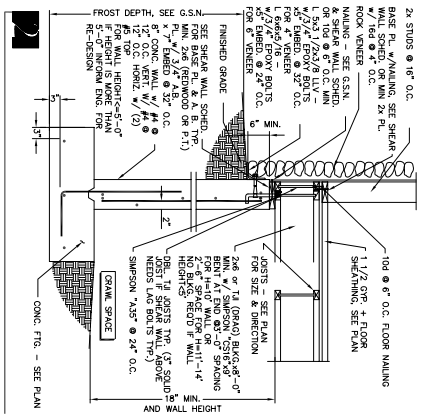
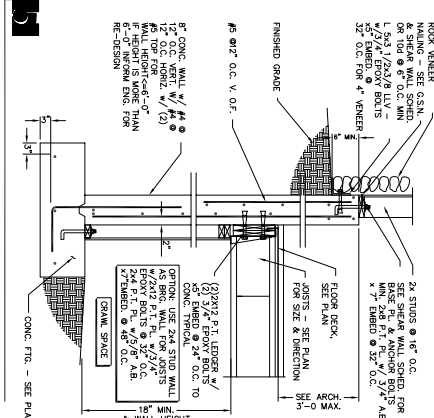
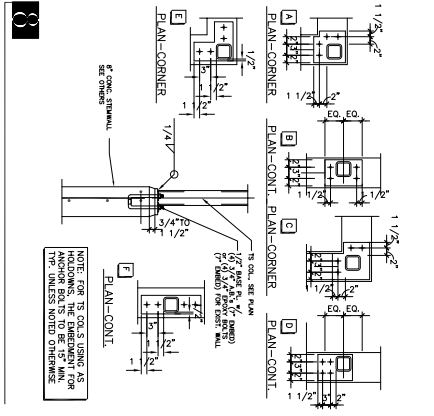
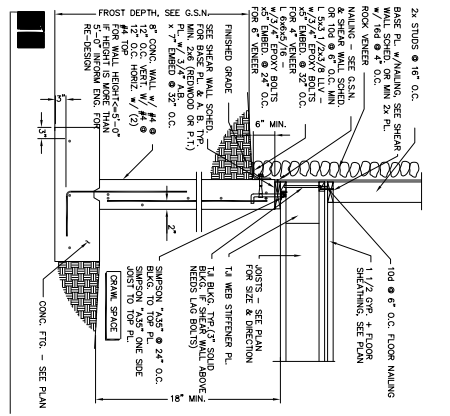
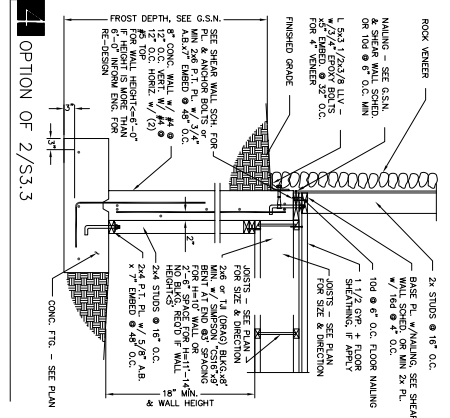
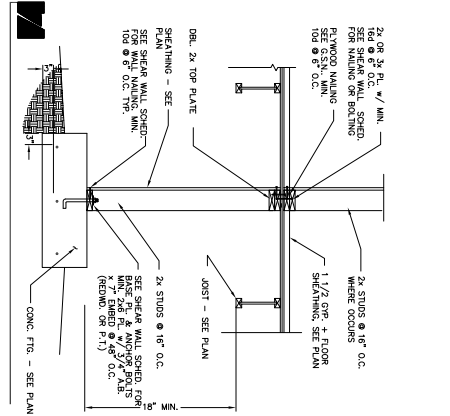
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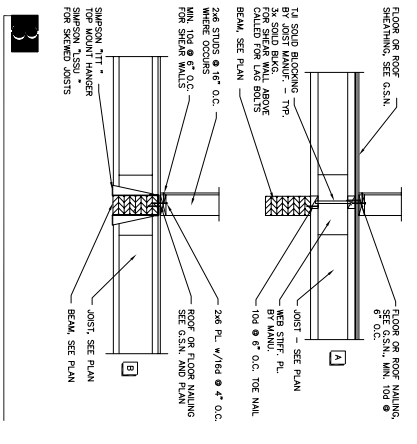
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KAMAS CITY, UTAH
SE17424

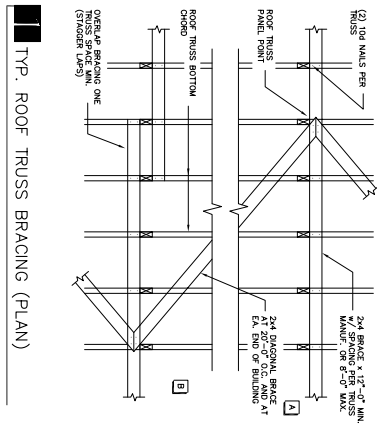
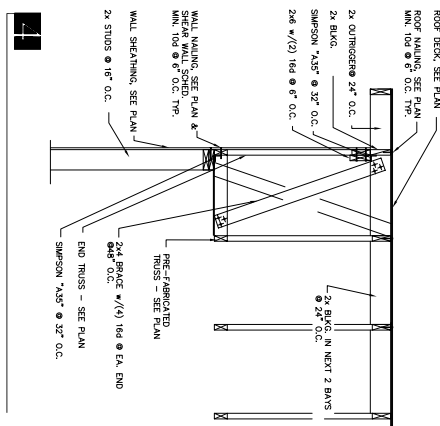
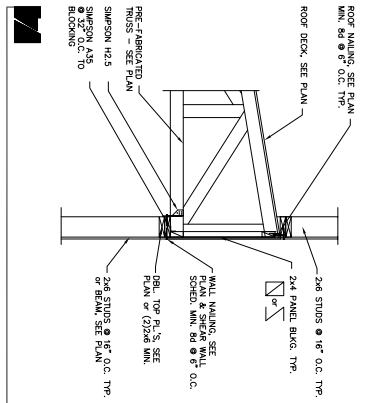
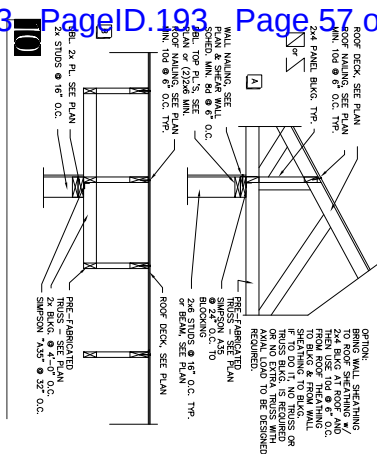
Shen Engineers, Inc.
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HOLLADAY, UTAH 84117
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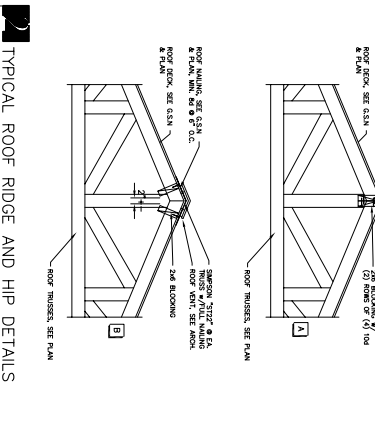
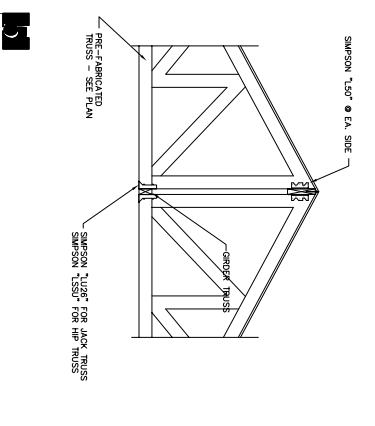
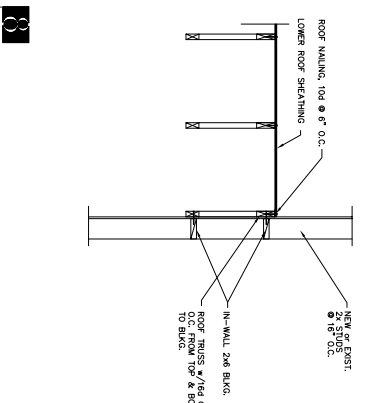
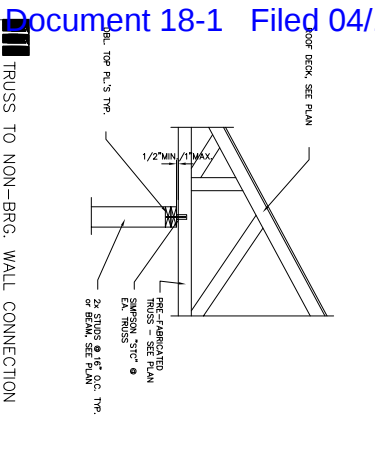
2225 E. MURRAY HOLLADAY RD.

SUITE 208

HOLLADAY, UTAH 84143

TEL: 801.277.2625

E-mail: sheneng@msn.com



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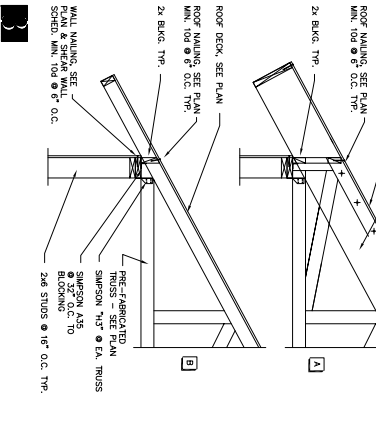
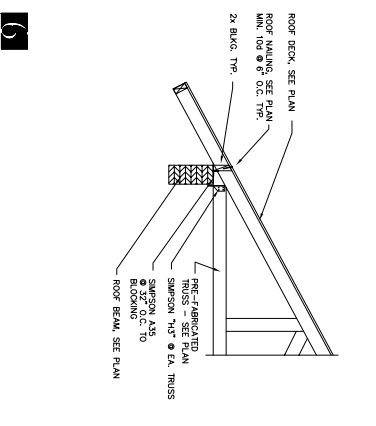
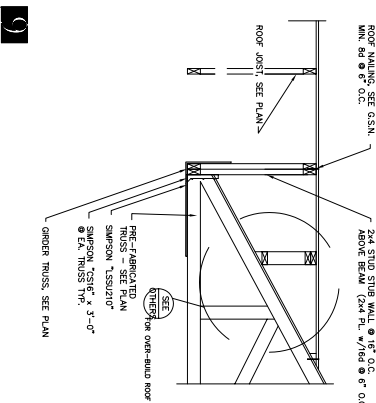
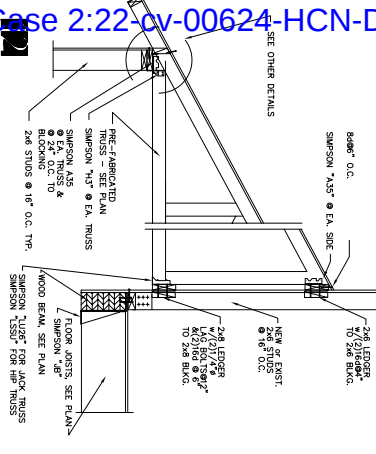
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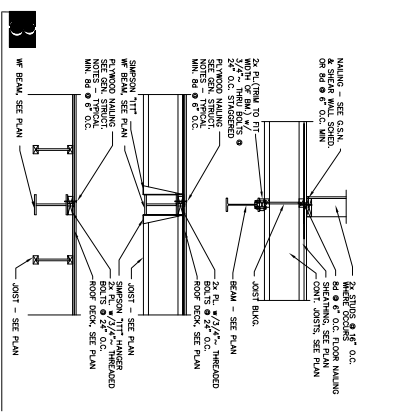
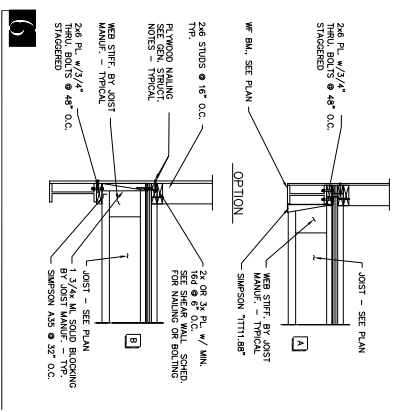
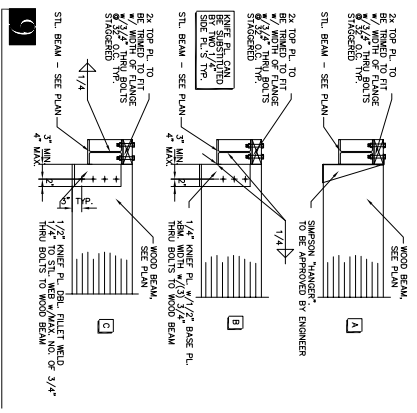
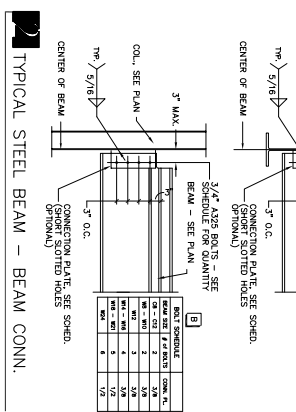
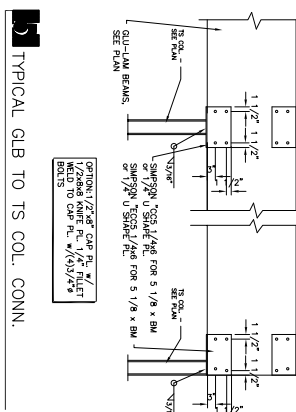
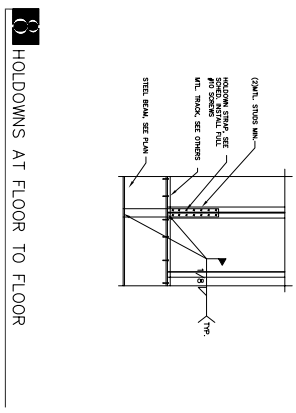
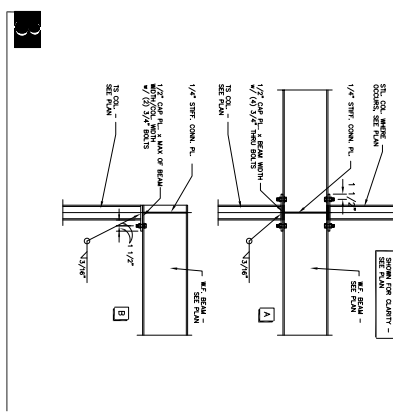
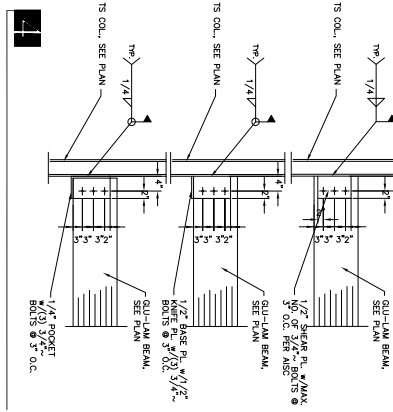
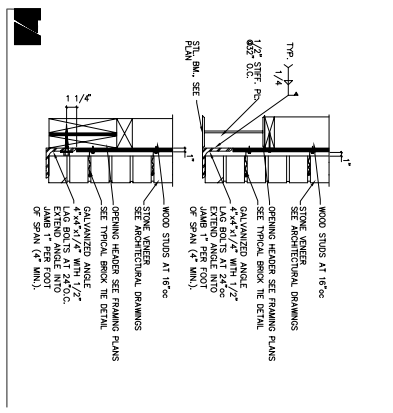
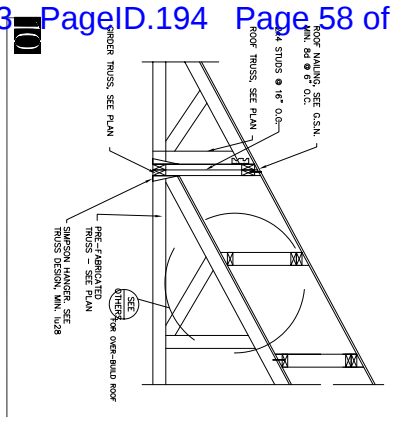
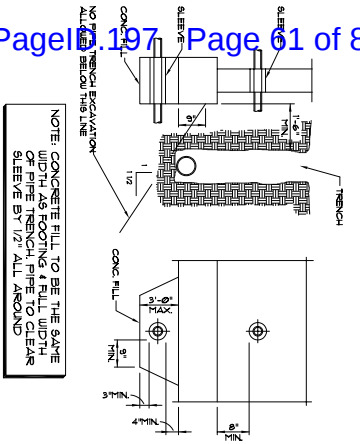
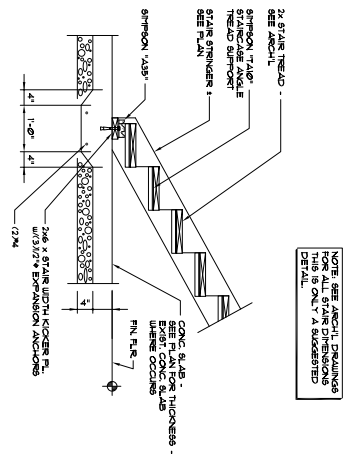


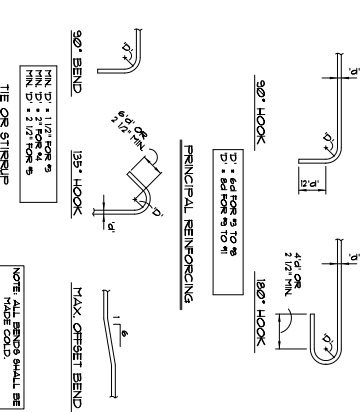
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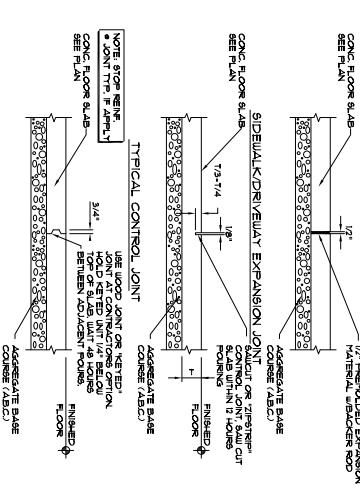
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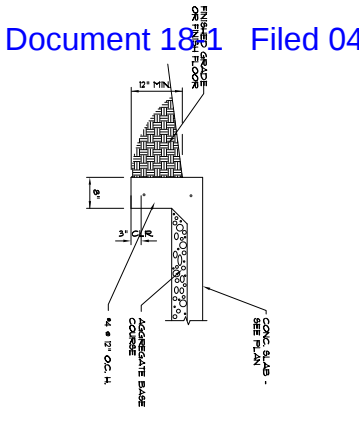
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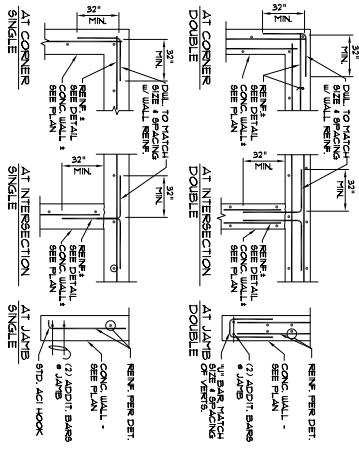
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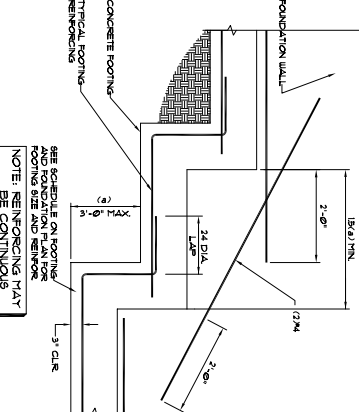
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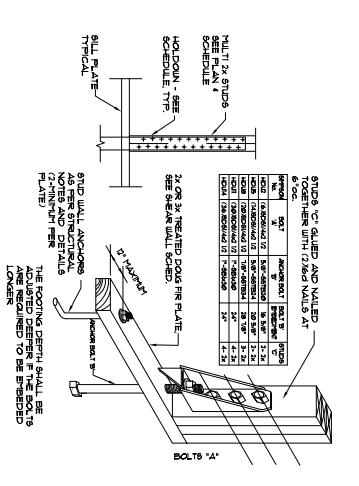
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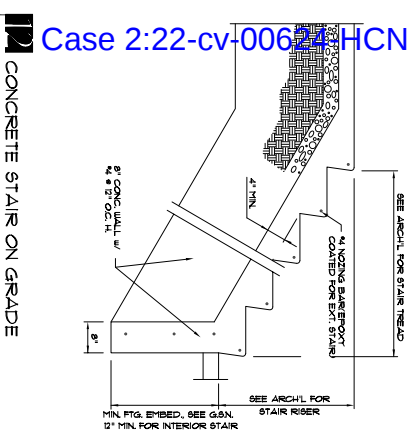
6 TYPICAL CONC. WALL REIN.



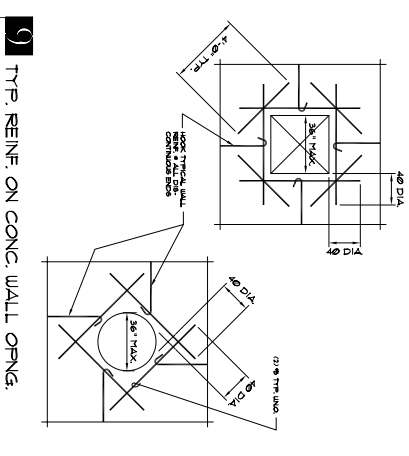
7 TYPICAL STEPPED FOOTING



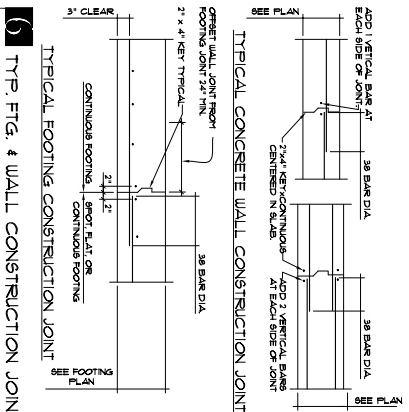
8 TYPICAL HOLDOWN TO CONC.



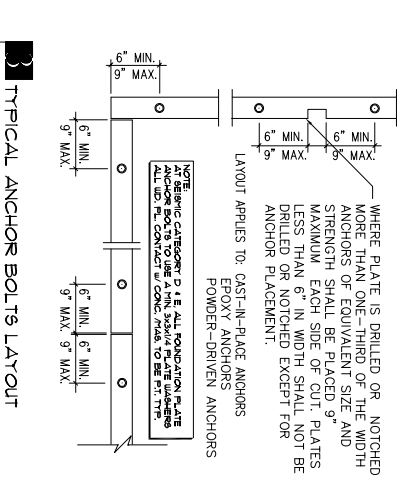
9 CONCRETE STAIR ON GRADE



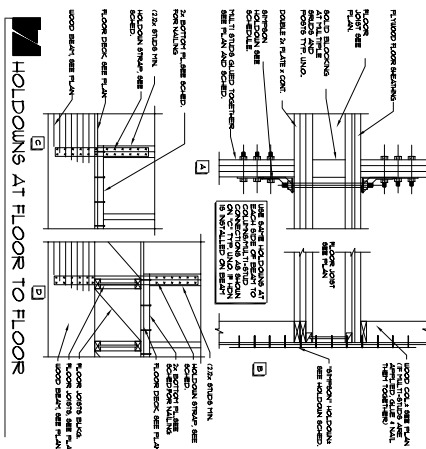
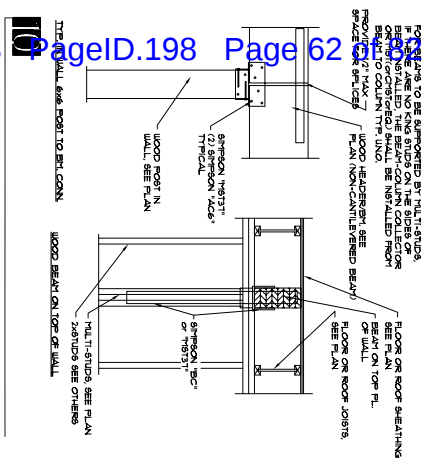
10 TYP. REIN. ON CONC. WALL ORNG.



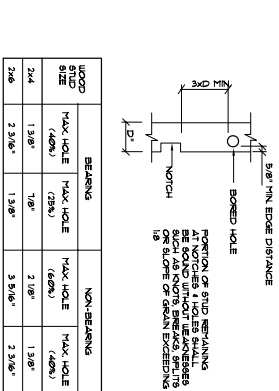
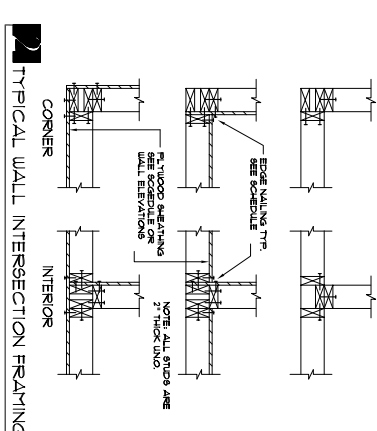
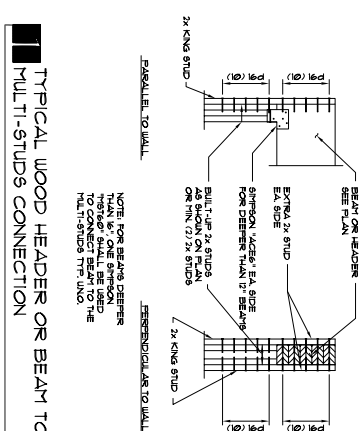
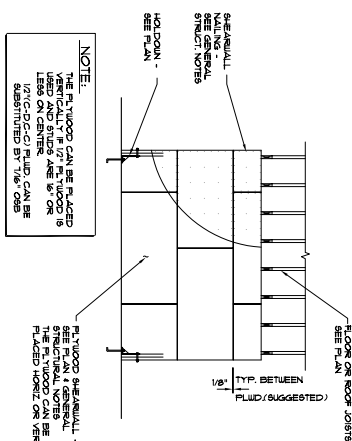
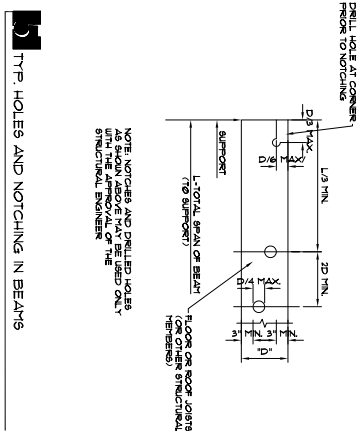
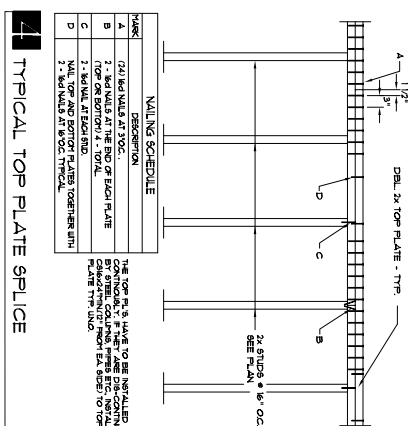
11 TYP. FTG. & WALL CONSTRUCTION JOINT



12 TYPICAL ANCHOR BOLT LAYOUT



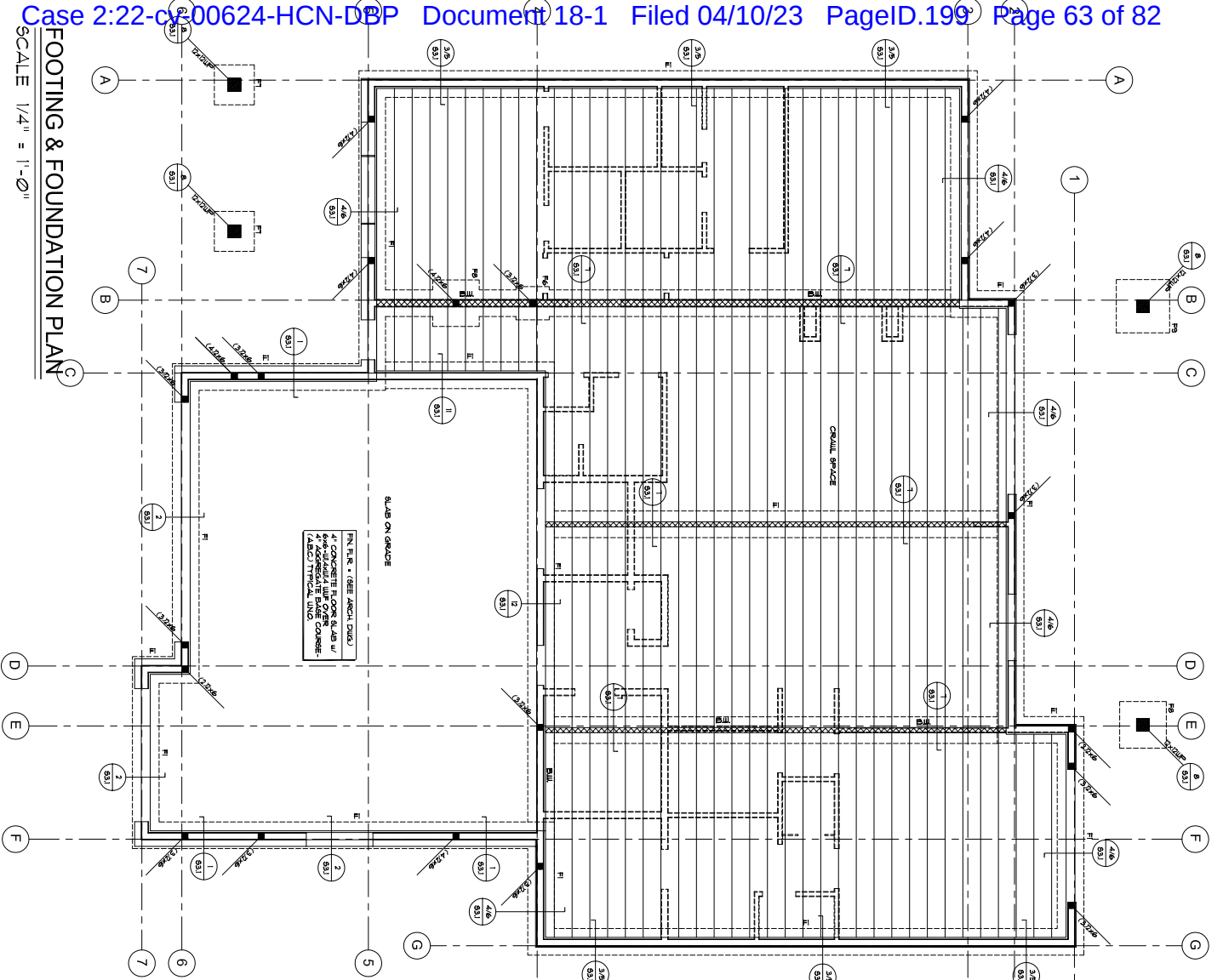
NAIL/STAPLE EQUIVALENT TABLE.			
FLOORS AND ROOF			
NAILS		STAPLES	
SIZE	SPACING	SIZE	SPACING
Red Rod	6" x 3/4"	14 G.A.	6" x 1 1/2"
Red Rod	6" x 1"	14 G.A.	6" x 1 3/4"
Red Rod	2" x 1 1/2"	14 G.A.	2" x 1 1/2"
Red Rod	2" x 2"	14 G.A.	2" x 2"
Red Rod	2" x 2 1/2"	14 G.A.	2" x 2 1/2"
Red Rod	2" x 3"	14 G.A.	2" x 3"
Red Rod	2" x 3 1/2"	14 G.A.	2" x 3 1/2"
Red Rod	2" x 4"	14 G.A.	2" x 4"
Red Rod	2" x 4 1/2"	14 G.A.	2" x 4 1/2"
Red Rod	2" x 5"	14 G.A.	2" x 5"
Red Rod	2" x 5 1/2"	14 G.A.	2" x 5 1/2"
Red Rod	2" x 6"	14 G.A.	2" x 6"
Red Rod	2" x 6 1/2"	14 G.A.	2" x 6 1/2"
Red Rod	2" x 7"	14 G.A.	2" x 7"
Red Rod	2" x 7 1/2"	14 G.A.	2" x 7 1/2"
Red Rod	2" x 8"	14 G.A.	2" x 8"
Red Rod	2" x 8 1/2"	14 G.A.	2" x 8 1/2"
Red Rod	2" x 9"	14 G.A.	2" x 9"
Red Rod	2" x 9 1/2"	14 G.A.	2" x 9 1/2"
Red Rod	2" x 10"	14 G.A.	2" x 10"
Red Rod	2" x 10 1/2"	14 G.A.	2" x 10 1/2"
Red Rod	2" x 11"	14 G.A.	2" x 11"
Red Rod	2" x 11 1/2"	14 G.A.	2" x 11 1/2"
Red Rod	2" x 12"	14 G.A.	2" x 12"
Red Rod	2" x 12 1/2"	14 G.A.	2" x 12 1/2"
Red Rod	2" x 13"	14 G.A.	2" x 13"
Red Rod	2" x 13 1/2"	14 G.A.	2" x 13 1/2"
Red Rod	2" x 14"	14 G.A.	2" x 14"
Red Rod	2" x 14 1/2"	14 G.A.	2" x 14 1/2"
Red Rod	2" x 15"	14 G.A.	2" x 15"
Red Rod	2" x 15 1/2"	14 G.A.	2" x 15 1/2"
Red Rod	2" x 16"	14 G.A.	2" x 16"
Red Rod	2" x 16 1/2"	14 G.A.	2" x 16 1/2"
Red Rod	2" x 17"	14 G.A.	2" x 17"
Red Rod	2" x 17 1/2"	14 G.A.	2" x 17 1/2"
Red Rod	2" x 18"	14 G.A.	2" x 18"
Red Rod	2" x 18 1/2"	14 G.A.	2" x 18 1/2"
Red Rod	2" x 19"	14 G.A.	2" x 19"
Red Rod	2" x 19 1/2"	14 G.A.	2" x 19 1/2"
Red Rod	2" x 20"	14 G.A.	2" x 20"
Red Rod	2" x 20 1/2"	14 G.A.	2" x 20 1/2"
Red Rod	2" x 21"	14 G.A.	2" x 21"
Red Rod	2" x 21 1/2"	14 G.A.	2" x 21 1/2"
Red Rod	2" x 22"	14 G.A.	2" x 22"
Red Rod	2" x 22 1/2"	14 G.A.	2" x 22 1/2"
Red Rod	2" x 23"	14 G.A.	2" x 23"
Red Rod	2" x 23 1/2"	14 G.A.	2" x 23 1/2"
Red Rod	2" x 24"	14 G.A.	2" x 24"
Red Rod	2" x 24 1/2"	14 G.A.	2" x 24 1/2"
Red Rod	2" x 25"	14 G.A.	2" x 25"
Red Rod	2" x 25 1/2"	14 G.A.	2" x 25 1/2"
Red Rod	2" x 26"	14 G.A.	2" x 26"
Red Rod	2" x 26 1/2"	14 G.A.	2" x 26 1/2"
Red Rod	2" x 27"	14 G.A.	2" x 27"
Red Rod	2" x 27 1/2"	14 G.A.	2" x 27 1/2"
Red Rod	2" x 28"	14 G.A.	2" x 28"
Red Rod	2" x 28 1/2"	14 G.A.	2" x 28 1/2"
Red Rod	2" x 29"	14 G.A.	2" x 29"
Red Rod	2" x 29 1/2"	14 G.A.	2" x 29 1/2"
Red Rod	2" x 30"	14 G.A.	2" x 30"
Red Rod	2" x 30 1/2"	14 G.A.	2" x 30 1/2"
Red Rod	2" x 31"	14 G.A.	2" x 31"
Red Rod	2" x 31 1/2"	14 G.A.	2" x 31 1/2"
Red Rod	2" x 32"	14 G.A.	2" x 32"
Red Rod	2" x 32 1/2"	14 G.A.	2" x 32 1/2"
Red Rod	2" x 33"	14 G.A.	2" x 33"
Red Rod	2" x 33 1/2"	14 G.A.	2" x 33 1/2"
Red Rod	2" x 34"	14 G.A.	2" x 34"
Red Rod	2" x 34 1/2"	14 G.A.	2" x 34 1/2"
Red Rod	2" x 35"	14 G.A.	2" x 35"
Red Rod	2" x 35 1/2"	14 G.A.	2" x 35 1/2"
Red Rod	2" x 36"	14 G.A.	2" x 36"
Red Rod	2" x 36 1/2"	14 G.A.	2" x 36 1/2"
Red Rod	2" x 37"	14 G.A.	2" x 37"
Red Rod	2" x 37 1/2"	14 G.A.	2" x 37 1/2"
Red Rod	2" x 38"	14 G.A.	2" x 38"
Red Rod	2" x 38 1/2"	14 G.A.	2" x 38 1/2"
Red Rod	2" x 39"	14 G.A.	2" x 39"
Red Rod	2" x 39 1/2"	14 G.A.	2" x 39 1/2"
Red Rod	2" x 40"	14 G.A.	2" x 40"
Red Rod	2" x 40 1/2"	14 G.A.	2" x 40 1/2"
Red Rod	2" x 41"	14 G.A.	2" x 41"
Red Rod	2" x 41 1/2"	14 G.A.	2" x 41 1/2"
Red Rod	2" x 42"	14 G.A.	2" x 42"
Red Rod	2" x 42 1/2"	14 G.A.	2" x 42 1/2"
Red Rod	2" x 43"	14 G.A.	2" x 43"
Red Rod	2" x 43 1/2"	14 G.A.	2" x 43 1/2"
Red Rod	2" x 44"	14 G.A.	2" x 44"
Red Rod	2" x 44 1/2"	14 G.A.	2" x 44 1/2"
Red Rod	2" x 45"	14 G.A.	2" x 45"
Red Rod	2" x 45 1/2"	14 G.A.	2" x 45 1/2"
Red Rod	2" x 46"	14 G.A.	2" x 46"
Red Rod	2" x 46 1/2"	14 G.A.	2" x 46 1/2"
Red Rod	2" x 47"	14 G.A.	2" x 47"
Red Rod	2" x 47 1/2"	14 G.A.	2" x 47 1/2"
Red Rod	2" x 48"	14 G.A.	2" x 48"
Red Rod	2" x 48 1/2"	14 G.A.	2" x 48 1/2"
Red Rod	2" x 49"	14 G.A.	2" x 49"
Red Rod	2" x 49 1/2"	14 G.A.	2" x 49 1/2"
Red Rod	2" x 50"	14 G.A.	2" x 50"
Red Rod	2" x 50 1/2"	14 G.A.	2" x 50 1/2"
Red Rod	2" x 51"	14 G.A.	2" x 51"
Red Rod	2" x 51 1/2"	14 G.A.	2" x 51 1/2"
Red Rod	2" x 52"	14 G.A.	2" x 52"
Red Rod	2" x 52 1/2"	14 G.A.	2" x 52 1/2"
Red Rod	2" x 53"	14 G.A.	2" x 53"
Red Rod	2" x 53 1/2"	14 G.A.	2" x 53 1/2"
Red Rod	2" x 54"	14 G.A.	2" x 54"
Red Rod	2" x 54 1/2"	14 G.A.	2" x 54 1/2"
Red Rod	2" x 55"	14 G.A.	2" x 55"
Red Rod	2" x 55 1/2"	14 G.A.	2" x 55 1/2"
Red Rod	2" x 56"	14 G.A.	2" x 56"
Red Rod	2" x 56 1/2"	14 G.A.	2" x 56 1/2"
Red Rod	2" x 57"	14 G.A.	2" x 57"
Red Rod	2" x 57 1/2"	14 G.A.	2" x 57 1/2"
Red Rod	2" x 58"	14 G.A.	2" x 58"
Red Rod	2" x 58 1/2"	14 G.A.	2" x 58 1/2"
Red Rod	2" x 59"	14 G.A.	2" x 59"
Red Rod	2" x 59 1/2"	14 G.A.	2" x 59 1/2"
Red Rod	2" x 60"	14 G.A.	2" x 60"
Red Rod	2" x 60 1/2"	14 G.A.	2" x 60 1/2"
Red Rod	2" x 61"	14 G.A.	2" x 61"
Red Rod	2" x 61 1/2"	14 G.A.	2" x 61 1/2"
Red Rod	2" x 62"	14 G.A.	2" x 62"
Red Rod	2" x 62 1/2"	14 G.A.	2" x 62 1/2"
Red Rod	2" x 63"	14 G.A.	2" x 63"
Red Rod	2" x 63 1/2"	14 G.A.	2" x 63 1/2"
Red Rod	2" x 64"	14 G.A.	2" x 64"
Red Rod	2" x 64 1/2"	14 G.A.	2" x 64 1/2"
Red Rod	2" x 65"	14 G.A.	2" x 65"
Red Rod	2" x 65 1/2"	14 G.A.	2" x 65 1/2"
Red Rod	2" x 66"	14 G.A.	2" x 66"
Red Rod	2" x 66 1/2"	14 G.A.	2" x 66 1/2"
Red Rod	2" x 67"	14 G.A.	2" x 67"
Red Rod	2" x 67 1/2"	14 G.A.	2" x 67 1/2"
Red Rod	2" x 68"	14 G.A.	2" x 68"
Red Rod	2" x 68 1/2"	14 G.A.	2" x 68 1/2"
Red Rod	2" x 69"	14 G.A.	2" x 69"
Red Rod	2" x 69 1/2"	14 G.A.	2" x 69 1/2"
Red Rod	2" x 70"	14 G.A.	2" x 70"
Red Rod	2" x 70 1/2"	14 G.A.	2" x 70 1/2"
Red Rod	2" x 71"	14 G.A.	2" x 71"
Red Rod	2" x 71 1/2"	14 G.A.	2" x 71 1/2"
Red Rod	2" x 72"	14 G.A.	2" x 72"
Red Rod	2" x 72 1/2"	14 G.A.	2" x 72 1/2"
Red Rod	2" x 73"	14 G.A.	2" x 73"
Red Rod	2" x 73 1/2"	14 G.A.	2" x 73 1/2"
Red Rod	2" x 74"	14 G.A.	2" x 74"
Red Rod	2" x 74 1/2"	14 G.A.	2" x 74 1/2"
Red Rod	2" x 75"	14 G.A.	2" x 75"
Red Rod	2" x 75 1/2"	14 G.A.	2" x 75 1/2"
Red Rod	2" x 76"	14 G.A.	2" x 76"
Red Rod	2" x 76 1/2"	14 G.A.	2" x 76 1/2"
Red Rod	2" x 77"	14 G.A.	2" x 77"
Red Rod	2" x 77 1/2"	14 G.A.	2" x 77 1/2"
Red Rod	2" x 78"	14 G.A.	2" x 78"
Red Rod	2" x 78 1/2"	14 G.A.	2" x 78 1/2"
Red Rod	2" x 79"	14 G.A.	2" x 79"
Red Rod	2" x 79 1/2"	14 G.A.	2" x 79 1/2"
Red Rod	2" x 80"	14 G.A.	2" x 80"
Red Rod	2" x 80 1/2"	14 G.A.	2" x 80 1/2"
Red Rod	2" x 81"	14 G.A.	2" x 81"
Red Rod	2" x 81 1/2"	14 G.A.	2" x 81 1/2"
Red Rod	2" x 82"	14 G.A.	2" x 82"
Red Rod	2" x 82 1/2"	14 G.A.	2" x 82 1/2"
Red Rod	2" x 83"	14 G.A.	2" x 83"
Red Rod	2" x 83 1/2"	14 G.A.	2" x 83 1/2"
Red Rod	2" x 84"	14 G.A.	2" x 84"
Red Rod	2" x 84 1/2"	14 G.A.	2" x 84 1/2"
Red Rod	2" x 85"	14 G.A.	2" x 85"
Red Rod	2" x 85 1/2"	14 G.A.	2" x 85 1/2"
Red Rod	2" x 86"	14 G.A.	2" x 86"
Red Rod	2" x 86 1/2"	14 G.A.	2" x 86 1/2"
Red Rod	2" x 87"	14 G.A.	2" x 87"
Red Rod	2" x 87 1/2"	14 G.A.	2" x 87 1/2"
Red Rod	2" x 88"	14 G.A.	2" x 88"
Red Rod	2" x 88 1/2"	14 G.A.	2" x 88 1/2"
Red Rod	2" x 89"	14 G.A.	2" x 89"
Red Rod	2" x 89 1/2"	14 G.A.	2" x 89 1/2"
Red Rod	2" x 90"	14 G.A.	2" x 90"
Red Rod	2" x 90 1/2"	14 G.A.	2" x 90 1/2"
Red Rod	2" x 91"	14 G.A.	2" x 91"
Red Rod	2" x 91 1/2"	14 G.A.	2" x 91 1/2"
Red Rod	2" x 92"	14 G.A.	2" x 92"
Red Rod	2" x 92 1/2"	14 G.A.	2" x 92 1/2"
Red Rod	2" x 93"	14 G.A.	2" x 93"
Red Rod	2" x 93 1/2"	14 G.A.	2" x 93 1/2"
Red Rod	2" x 94"	14 G.A.	2" x 94"
Red Rod	2" x 94 1/2"	14 G.A.	2" x 94 1/2"
Red Rod	2" x 95"	14 G.A.	2" x 95"
Red Rod	2" x 95 1/2"	14 G.A.	2" x 95 1/2"
Red Rod	2" x 96"	14 G.A.	2" x 96"
Red Rod	2" x 96 1/2"	14 G.A.	2" x 96 1/2"
Red Rod	2" x 97"	14 G.A.	2" x 97"
Red Rod	2" x 97 1/2"	14 G.A.	2" x 97 1/2"
Red Rod	2" x 98"	14 G.A.	2" x 98"
Red Rod	2" x 98 1/2"	14 G.A.	2" x 98 1/2"
Red Rod	2" x 99"	14 G.A.	2" x 99"
Red Rod	2" x 99 1/2"	14 G.A.	2" x 99 1/2"
Red Rod	2" x 100"	14 G.A.	2" x 100"
Red Rod	2" x 100 1/2"	14 G.A.	2" x 100 1/2"
Red Rod	2" x 101"	14 G.A.	2" x 101"
Red Rod	2" x 101 1/2"	14 G.A.	2" x 101 1/2"
Red Rod	2" x 102"	14 G.A.	2" x 102"
Red Rod	2" x 102 1/2"	14 G.A.	2" x 102 1/2"
Red Rod	2" x 103"	14 G.A.	2" x 103"
Red Rod	2" x 103 1/2"	14 G.A.	2" x 103 1/2"
Red Rod	2" x 104"	14 G.A.	2" x 104"
Red Rod	2" x 104 1/2"	14 G.A.	2" x 104 1/2"
Red Rod	2" x 105"	14 G.A.	2" x 105"
Red Rod	2" x 105 1/2"	14 G.A.	2" x 105 1/2"
Red Rod	2" x 106"	14 G.A.	2" x 106"
Red Rod	2" x 106 1/2"	14 G.A.	2" x 106 1/2"
Red Rod	2" x 107"	14 G.A.	2" x 107"
Red Rod	2" x 107 1/2"	14 G.A.	2" x 107 1/2"
Red Rod	2" x 108"	14 G.A.	2" x 108"
Red Rod	2" x 108 1/2"	14 G.A.	2" x 108 1/2"
Red Rod	2" x 109"	14 G.A.	2" x 109"
Red Rod	2" x 109 1/2"	14 G.A.	2" x 109 1/2"
Red Rod	2" x 110"	14 G.A.	2" x 110"
Red Rod	2" x 110 1/2"	14 G.A.	2" x 110 1/2"
Red Rod	2" x 111"	14 G.A.	2" x 111"
Red Rod	2" x 111 1/2"	14 G.A.	2" x 111 1/2"
Red Rod	2" x 112"	14 G.A.	2" x 112"
Red Rod	2" x 112 1/2"	14 G.A.	2" x 112 1/2"
Red Rod	2" x 113"	14 G.A.	2" x 113"
Red Rod	2" x 113 1/2"	14 G.A.	2" x 113 1/2"
Red Rod	2" x 114"	14 G.A.	2" x 114"
Red Rod	2" x 114 1/2"	14 G.A.	2" x 114 1/2"
Red Rod	2" x 115"	14 G.A.	2" x 115"
Red Rod	2" x 115 1/2"	14 G.A.	2" x 115 1/2"
Red Rod	2" x 116"	14 G.A.	2" x 116"
Red Rod	2" x 116 1/2"	14 G.A.	2" x 116 1/2"
Red Rod	2" x 117"	14 G.A.	2" x 117"
Red Rod	2" x 117 1/2"	14 G.A.	2" x 117 1/2"
Red Rod	2" x 118"	14 G.A.	2" x 118"
Red Rod	2" x 118 1/2"	14 G.A.	2" x 118 1/2"
Red Rod	2" x 119"	14 G.A.	2" x 119"
Red Rod	2" x 119 1/2"	14 G.A.	2" x 119 1/2"
Red Rod	2" x 120"	14 G.A.	2" x 120"
Red Rod	2" x 120 1/2"	14 G.A.	2" x 120 1/2"
Red Rod	2" x 121"	14 G.A.	2" x 121"
Red Rod	2" x 121 1/2"	14 G.A.	2" x 121 1/2"
Red Rod	2" x 122"	14 G.A.	2" x 122"
Red Rod	2" x 122 1/2"	14 G.A.	2" x 122 1/2"
Red Rod	2" x 123"	14 G.A.	2" x 123"
Red Rod	2" x 123 1/2"	14 G.A.	2" x 123 1/2"
Red Rod	2" x 124"	14 G.A.	2" x 124"
Red Rod	2" x 124 1/2"	14 G.A.	2" x 124 1/2"
Red Rod	2" x 125"	14 G.A.	2" x 125"
Red Rod	2" x 125 1/2"	14 G.A.	2" x 125 1/2"
Red Rod	2" x 126"	14 G.A.	2" x 126"
Red Rod	2" x 126 1/2"	14 G.A.	2" x 126 1/2"
Red Rod	2" x 127"	14 G.A.	2" x 127"
Red Rod	2" x 127 1/2"	14 G.A.	2" x 127 1/2"
Red Rod	2" x 128"	14 G.A.	2" x 128"
Red Rod	2" x 128 1/2"	14 G.A.	2" x 128 1/2"
Red Rod	2" x 129"	14 G.A.	2" x 129"
Red Rod	2" x 129 1/2"	14 G.A.	2" x 129 1/2"
Red Rod	2" x 130"	14 G.A.	2" x 130"
Red Rod	2" x 130 1/2"	14 G.A.	2" x 130 1/2"
Red Rod	2" x 131"	14 G.A.	2" x 131"
Red Rod	2" x 131 1/2"	14 G.A.	2" x 131 1/2"
Red Rod	2" x 132"	14 G.A.	2" x 132"
Red Rod	2" x 132 1/2"	14 G.A.	2" x 1



WOOD SOLID SIZE	BEARING		NON-BEARING	
	MAX HOLE (40%)	MAX HOLE (75%)	MAX HOLE (60%)	MAX HOLE (40%)
2x4	1 3/8"	7/8"	2 1/8"	1 3/8"
2x6	2 3/16"	1 3/8"	3 5/16"	2 3/16"

FOOTING & FOUNDATION PLAN

SCALE 1/4" = 1'-0"



TYPICAL FLOOR DECK
 1. 4" MIN. FLOOR BEARING SPAN RATING 4000 PSI. 2" MIN. TO ALL JOINTS.
 2. 2" MIN. TO ALL JOINTS.
 3. 2" MIN. TO ALL JOINTS.
 4. 2" MIN. TO ALL JOINTS.
 5. 2" MIN. TO ALL JOINTS.
 6. 2" MIN. TO ALL JOINTS.
 7. 2" MIN. TO ALL JOINTS.
 8. 2" MIN. TO ALL JOINTS.
 9. 2" MIN. TO ALL JOINTS.
 10. 2" MIN. TO ALL JOINTS.

1. FLOOR FINISHING PLAN NOTES:
 1. SEE GENERAL STRUCTURAL NOTES AND SPECIFICATIONS FOR FLOOR FINISHING.
 2. TYPICAL FLOOR FINISHING DETAIL.
 3. TYPICAL FLOOR FINISHING DETAIL.
 4. TYPICAL FLOOR FINISHING DETAIL.
 5. TYPICAL FLOOR FINISHING DETAIL.
 6. TYPICAL FLOOR FINISHING DETAIL.
 7. TYPICAL FLOOR FINISHING DETAIL.
 8. TYPICAL FLOOR FINISHING DETAIL.
 9. TYPICAL FLOOR FINISHING DETAIL.
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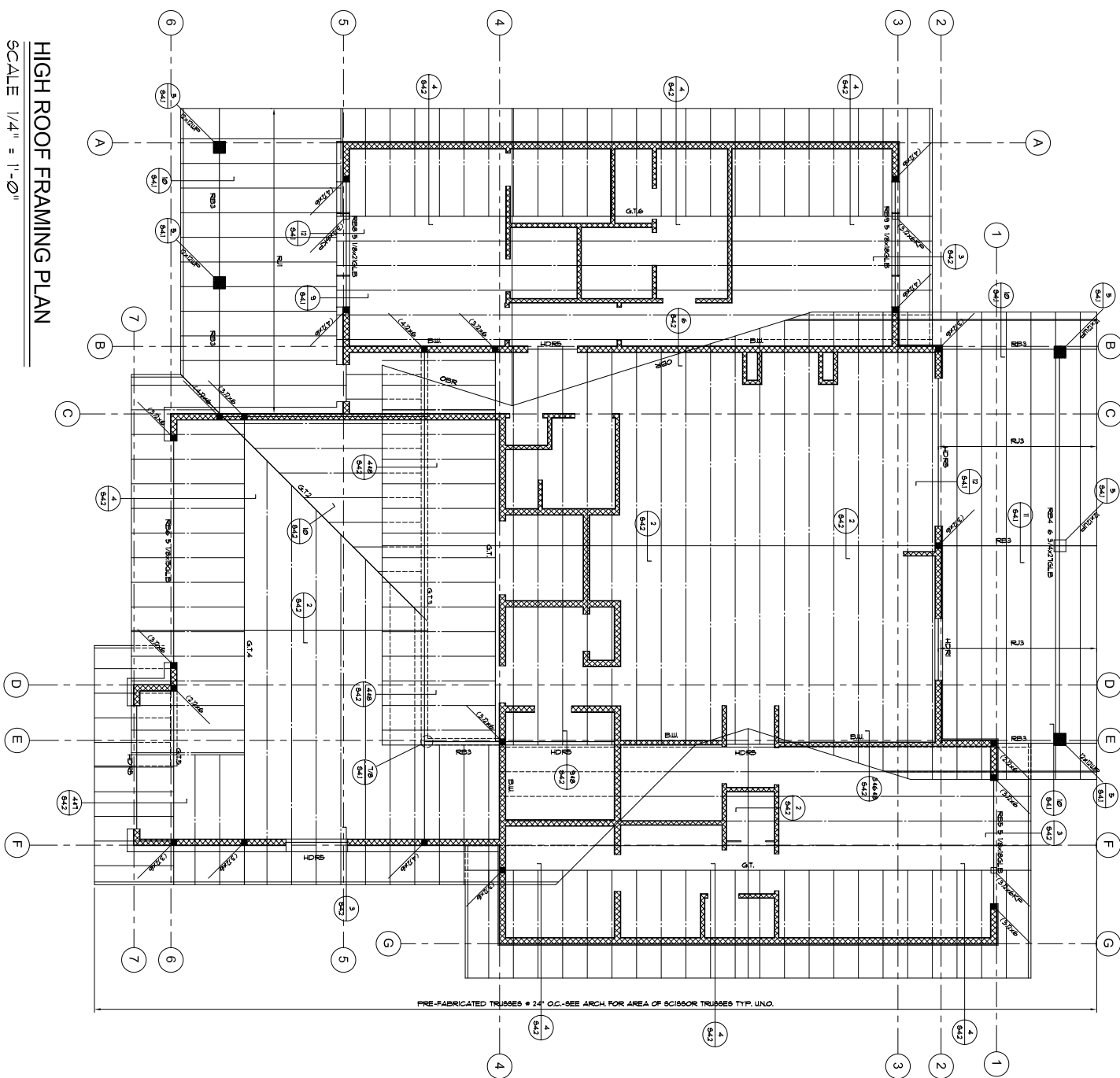
2. SCHEDULE FOR WINDOW HANGERS ON 2" MIN. BEAMS AND TOP JOINTS:
 1. 2" MIN. BEAMS AND TOP JOINTS.
 2. 2" MIN. BEAMS AND TOP JOINTS.
 3. 2" MIN. BEAMS AND TOP JOINTS.
 4. 2" MIN. BEAMS AND TOP JOINTS.
 5. 2" MIN. BEAMS AND TOP JOINTS.
 6. 2" MIN. BEAMS AND TOP JOINTS.
 7. 2" MIN. BEAMS AND TOP JOINTS.
 8. 2" MIN. BEAMS AND TOP JOINTS.
 9. 2" MIN. BEAMS AND TOP JOINTS.
 10. 2" MIN. BEAMS AND TOP JOINTS.

3. ON STRUCTURE PLAN AND DETAILS:
 1. ON STRUCTURE PLAN AND DETAILS.
 2. ON STRUCTURE PLAN AND DETAILS.
 3. ON STRUCTURE PLAN AND DETAILS.
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 8. ON STRUCTURE PLAN AND DETAILS.
 9. ON STRUCTURE PLAN AND DETAILS.
 10. ON STRUCTURE PLAN AND DETAILS.

4. CONCRETE BEAM SCHEDULE:
 1. CONCRETE BEAM SCHEDULE.
 2. CONCRETE BEAM SCHEDULE.
 3. CONCRETE BEAM SCHEDULE.
 4. CONCRETE BEAM SCHEDULE.
 5. CONCRETE BEAM SCHEDULE.
 6. CONCRETE BEAM SCHEDULE.
 7. CONCRETE BEAM SCHEDULE.
 8. CONCRETE BEAM SCHEDULE.
 9. CONCRETE BEAM SCHEDULE.
 10. CONCRETE BEAM SCHEDULE.

MARK	SIZE	REINFORCING	REMARKS
P1	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P2	2'-0" x 2'-0" x 2'-0"	(3) #4 @ 12" CONT.	
P3	2'-0" x 2'-0" x 2'-0"	(3) #4 @ 12" CONT.	
P4	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P5	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P6	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P7	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P8	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P9	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P10	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P11	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P12	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P13	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P14	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P15	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P16	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	
P17	2'-0" x 2'-0" x 2'-0"	(2) #4 @ 12" CONT.	

SCALE 1/4" = 1'-0"



ROOF JOIST SCHEDULE				
MARK	SIZE	TYPE	SPACE	REMARKS
RJ1	11" x 8"	TJ210	24" O.C.	TRF. UNCL.
RJ2	11" x 8"	TJ210	16" O.C.	OR TJ260 @ 24" O.C.
RJ3	11" x 8"	TJ210	12" O.C.	OR TJ260 @ 24" O.C.

ROOF TRUSS DESIGN CRITERIA

ROOF TRUSS DESIGN CRITERIA				
MARK	TOP CHORD DEAD LOAD	BOTTOM CHORD DEAD LOAD	TOP CHORD SNOW LOAD	TOTAL LOADS
REGULAR TRUSSES	15 PSF*	5 PSF*	90 PSF*	110 PSF*
GABLED TRUSSES	15 PSF*	5 PSF*	90 PSF*	110 PSF*

*NOTE: SNOW OVERLAP SHALL BE INCLUDED ON TRUSSES & GABLES

MIN 1/2 OF ROOF SNOW LOAD SHALL BE APPLIED TO LOWER ROOF SNOW DRIFT.
SEE PLAN FOR POINT LOADS TO GIRDER TRUSSES IF APPLIED.

A TRUSS PACKAGE MUST BE SUBMITTED TO THE BUILDING OFFICIAL AS A DERIVED SUBMITTAL PRIOR TO SUBMITTING TO THE CITY. THE PACKAGE MUST BE REVIEWED BY THE ENGINEER OF RECORD AND STAFFED FOR GENERAL CONFERENCE. NO TRUSSES ARE TO BE INSTALLED UNTIL APPROVED BY THE BUILDING OFFICIAL.

FOR THOSE TRUSSES RIGHT ABOVE THE SHEAR WALLS,
A LATERAL LOAD OF 240 PLF ACTING ON TOP OF TRUSS

G.T. INDICATES GLIDER TRUSS TYP.

REB2: (21 3/4x11) 1/8 LVL
REB3: (31 3/4x11) 7/8 LVL or 5 1/8x12 GLF

ROOF FRAMING PLAN NOTES

- [illegible]

HEADER SCHEDULE

HEADER SCHEDULE			
MARK	SIZE	END PRICE	REMARKS
HDR-1	13/16"	12.06	
HDR-2	13/16"	12.06	(2.3) 34.44% 171.1%
HDR-3	13/16"	12.06	(3.1) 34.44% 171.1%
HDR-4	13/16"	13.06	(3.1) 34.44% 171.1%
HDR-5	3 1/8" x 1/2"	13.06	(3.1) 34.44% 171.1%
HDR-6	13/16"	12.06	(2.3) 34.44% 171.1%
HDR-7	13/16"	12.06	(2.3) 34.44% 171.1%
HDR-8	13/16"	13.06	(2.3) 34.44% 171.1%
HDR-9	13/16"	13.06	(2.3) 34.44% 171.1%
HDR-10	3 1/8" x 1/2"	14.06	(2.3) 34.44% 171.1%

1. GULFSTREAM BEAMS SHALL BE COMBINATION 51800C, 24" x 4" FOR REGULAR BEAM AND 24" x 8" FOR CANTILEVERED BEAM TYPICAL.
2. ALL GULFSTREAM BEAMS TO BE ZERO CARRIER BEAMS UNO.
3. ALL MULTI-MEMBER BEAMS & STUDS SHALL BE NAILED TOGETHER w/ (2) ROWS 6d @ 6" O.C. BOTH SIDES TYPICAL.

ONE KING STUD FOR OPNG. 2'-0" TO 5'-0"
TWO KING STUDS FOR OPNG. 5'-0" TO 10'-0"
THREE KING STUDS FOR OPNG. 10'-0" TO 15'-0"
FOUR KING STUDS FOR OPNG. 15'-0" TO 20'-0"

5/8" PLUG/JOBS SHEATHING SPAN RATING 40/20
SEE GENERAL STRUCTURAL NOTES-TYPICAL
NAILING:
10d x 6" O.C. AT ALL PANEL EDGES SUPPORTED
EDGES, AND AT TOP OF SHEAR WALLS
10d x 7" O.C. AT ALL PANEL FIELD
PLACE SHEATHING LONG-JOBS ACROSS FRAMING,
STAGGER END JOINTS, UNBLOCKED DIAPHRAGM.

Shen Engineers, Inc.
Structural/Seismic Consultants
2225 E. MURRAY HOLLADAY RD.
SUITE 200
HOLLADAY, UTAH 84111
801.271.2625
E-mail: sheneng@shen.com

NEW CABIN
HIGH STAR RANCH
976 N. STATE RD. 32, KAMAS, UTAH
SE19369

SCALE

AS NOTED

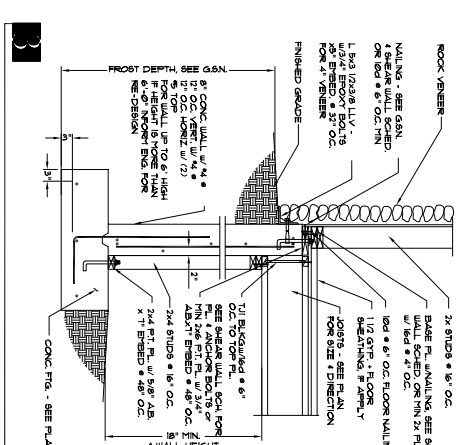
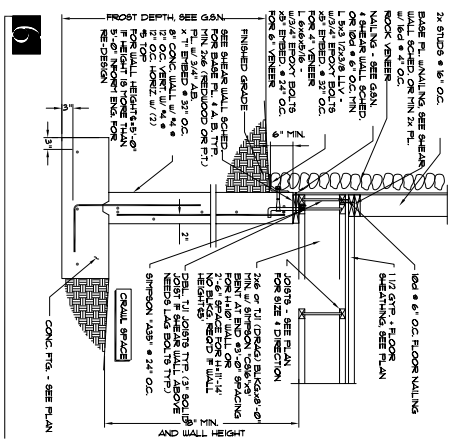
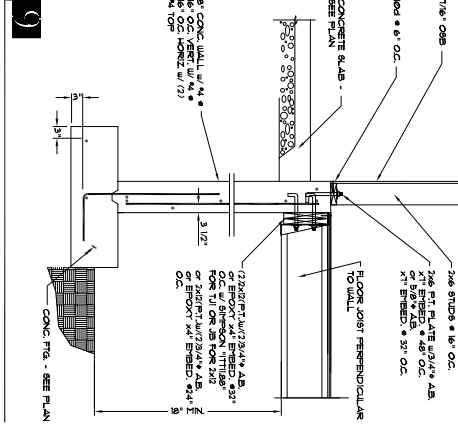
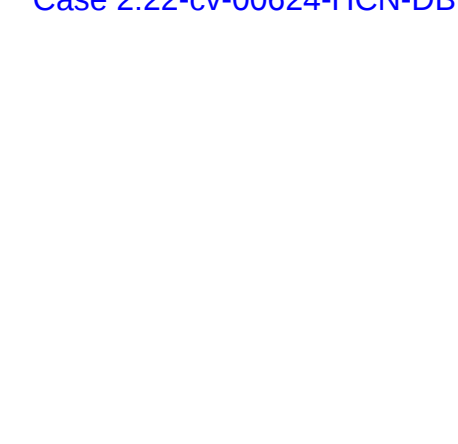
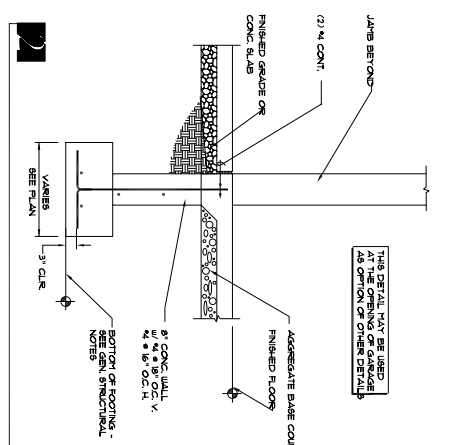
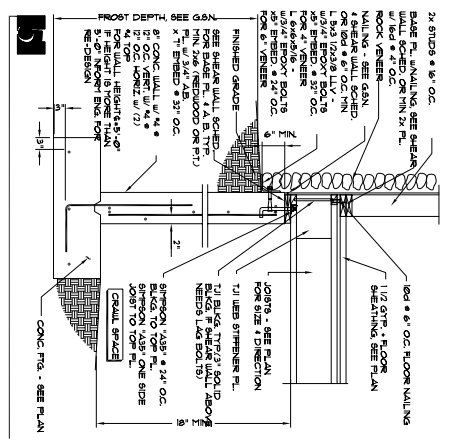
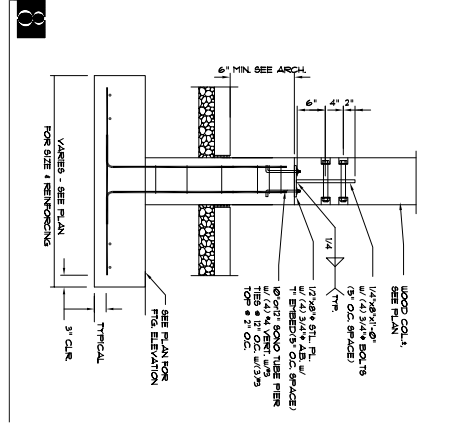
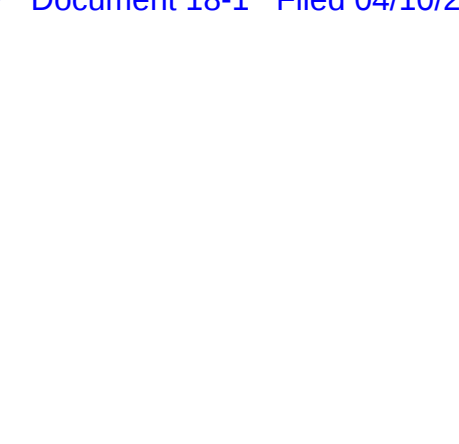
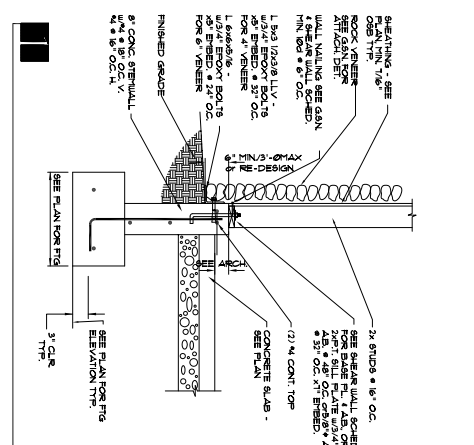
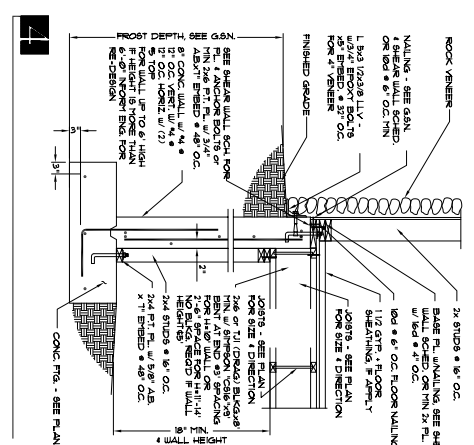
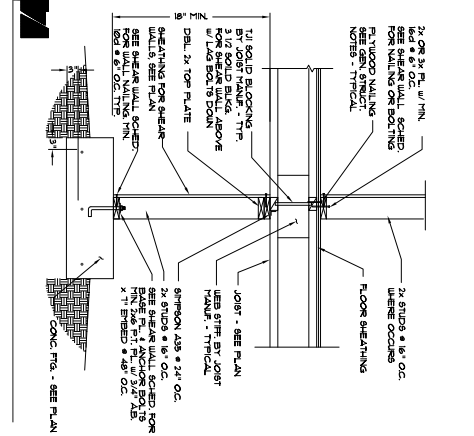
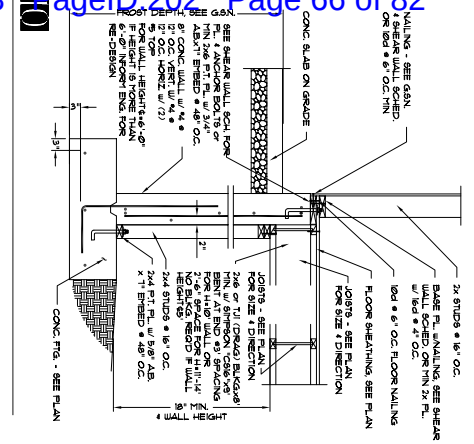
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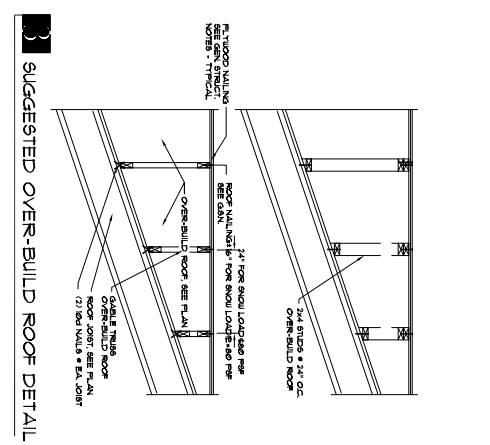
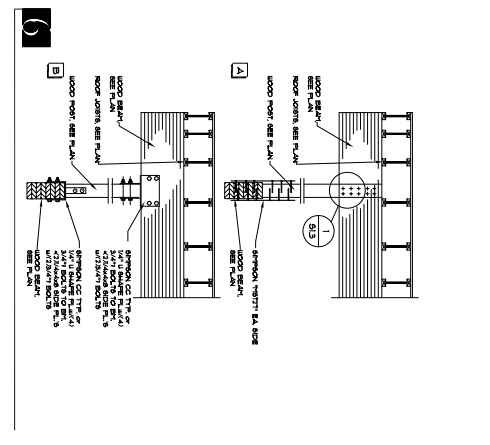
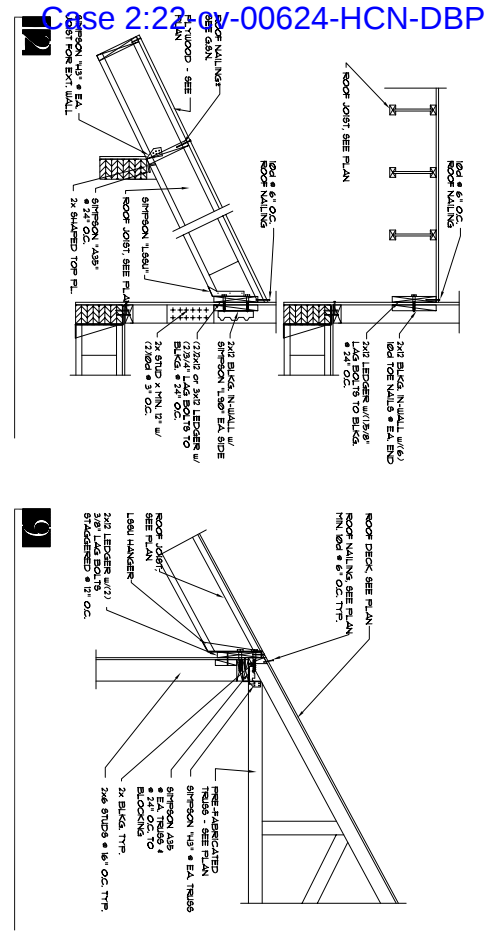
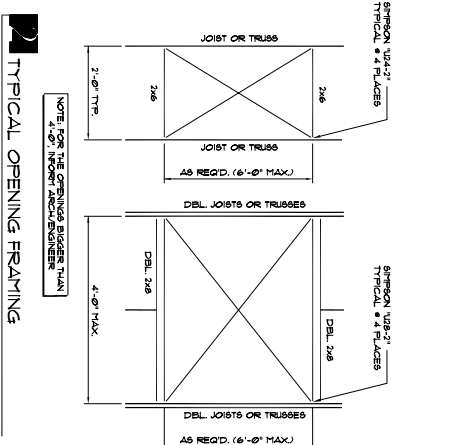
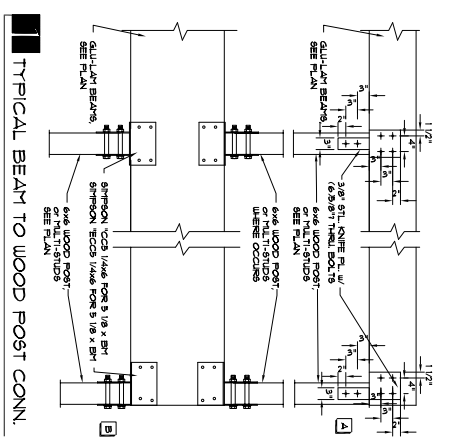
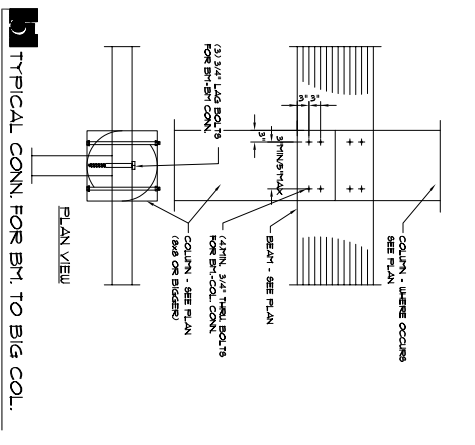
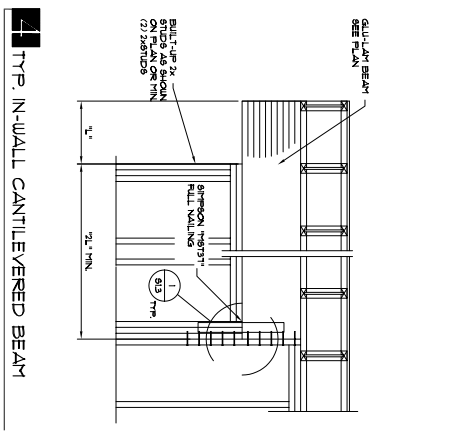
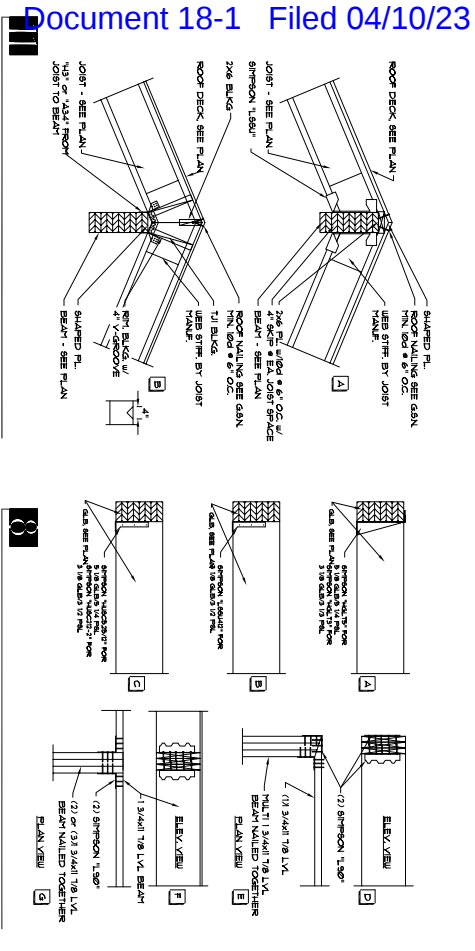
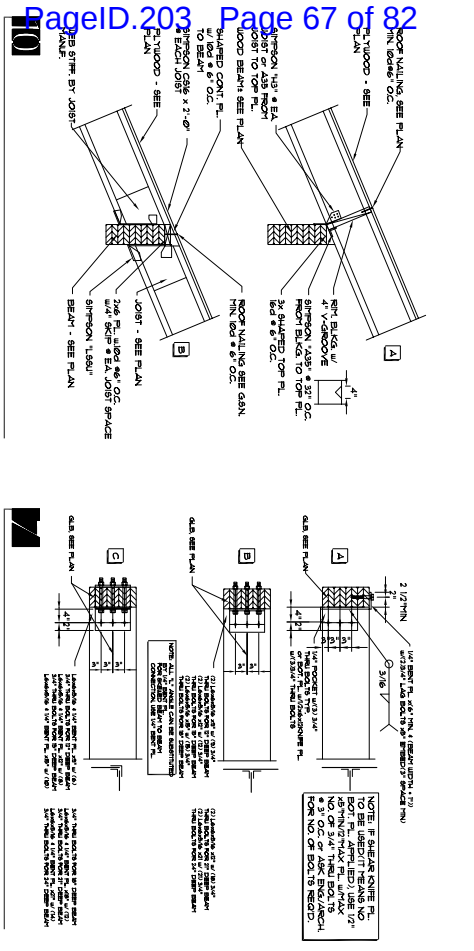
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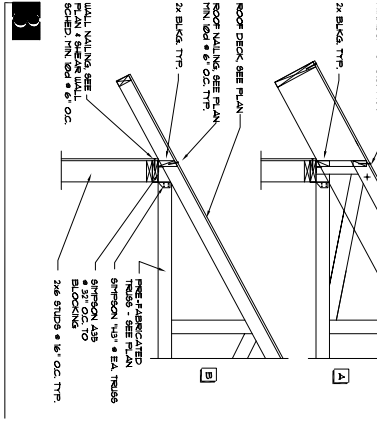
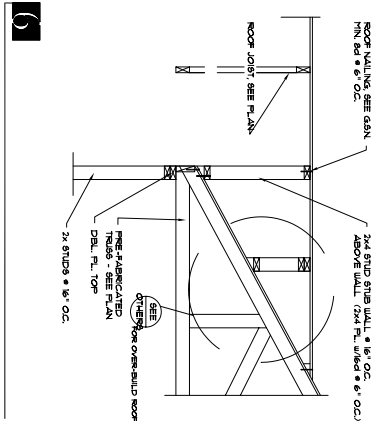
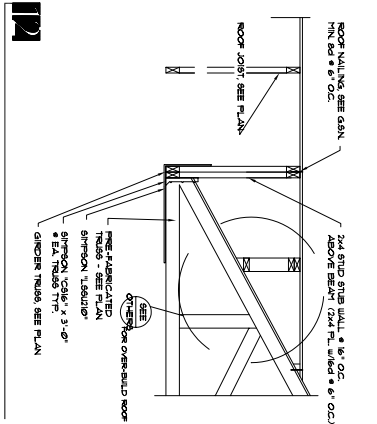
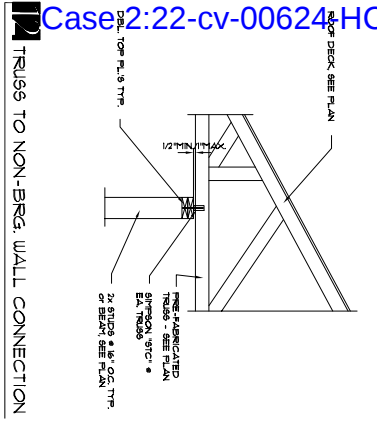
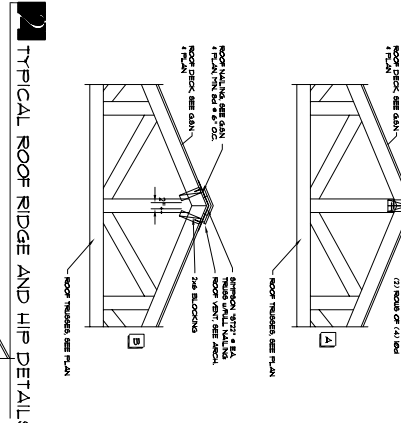
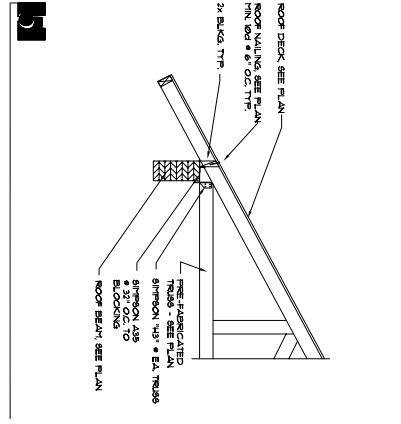
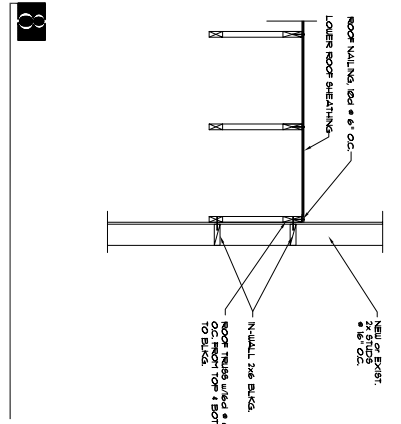
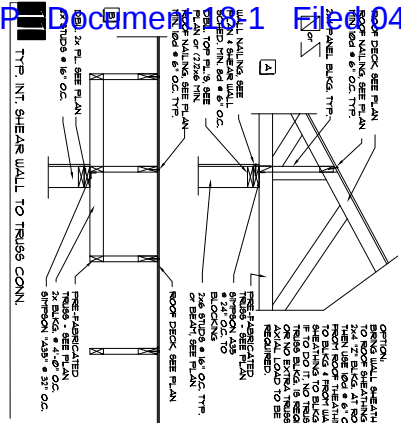
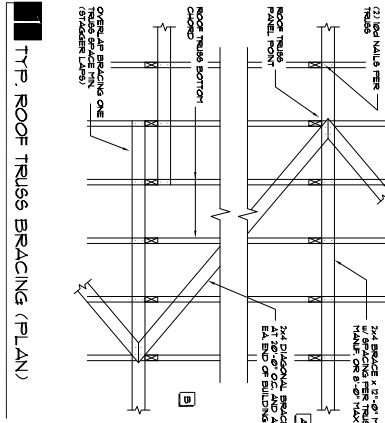
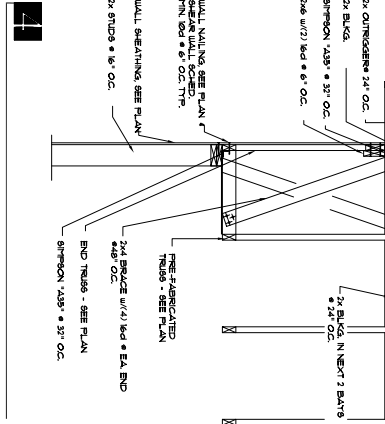
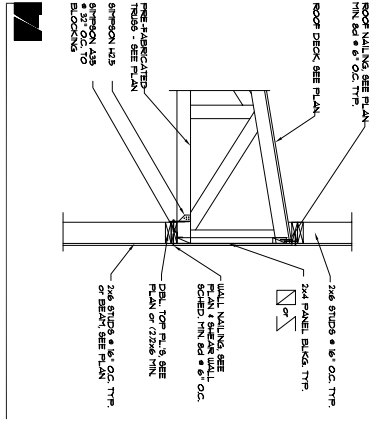
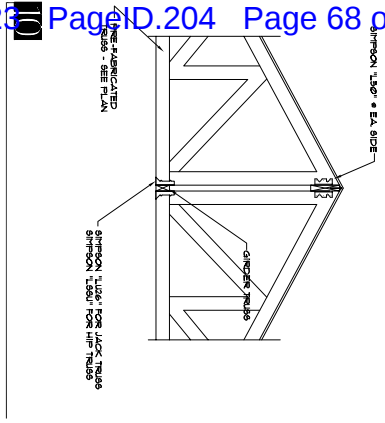
DATE:
10/7/2019

DRAWING NO
S2.2









1. TYP. ROOF TRUSS BRACING (PLAN)

2. TYPICAL ROOF RIDGE AND HIP DETAILS

3

EXHIBIT F



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Shirley P. Matter
United States Register of Copyrights and Director

Registration Number

VA 2-316-352

Effective Date of Registration:

August 24, 2022

Registration Decision Date:

August 30, 2022

Title

Title of Work: HIGHSTAR CABIN 2500

Completion/Publication

Year of Completion: 2017

Date of 1st Publication: September 28, 2017

Nation of 1st Publication: United States

Author

- Author: Shen Engineers, Inc.
Author Created: technical drawing
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

Copyright Claimant

Copyright Claimant: Shen Engineers, Inc.
2225 E. Murray-Holladay Road, #208, Salt Lake City, UT, 84117, United States

Limitation of copyright claim

Material excluded from this claim: 2-D artwork, the floor plans on pages 2.1-2.3 are not the property of Applicant

New material included in claim: 2-D artwork, technical drawing, The work is a collection of drawings other than excluded material derived from engineering drawings of Applicant dating back to 1999

Rights and Permissions

Organization Name: Shen Engineers, Inc.
Name: HUA SHEN
Email: sheneng@msn.com

Telephone: (801)277-2625
Address: 2225 E. Murray Holladay Road, #
#208
Salt Lake City, UT 84117

Certification

Name: Randall B. Bateman
Date: August 24, 2022
Applicant's Tracking Number: 8112.SHEN.CR

Correspondence: Yes

EXHIBIT G

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Shirley R. Perlmutter

United States Register of Copyrights and Director

Registration Number

VA 2-319-648

Effective Date of Registration:

August 24, 2022

Registration Decision Date:

September 23, 2022



Title

Title of Work: HIGHSTAR CABIN 2800

Completion/Publication

Year of Completion: 2017

Date of 1st Publication: October 05, 2017

Nation of 1st Publication: United States

Author

- **Author:** Shen Engineers, Inc.
- Author Created:** 2-D artwork, technical drawing
- Work made for hire:** Yes
- Citizen of:** United States
- Domiciled in:** United States

Copyright Claimant

Copyright Claimant: Shen Engineers, Inc.
2225 E. Murray-Holladay Road, #208, SALT LAKE CITY, UT, 84117, United States

Limitation of copyright claim

Material excluded from this claim: 2-D artwork, the floor plans on pages 2.1-2.3 are not the property of Applicant

New material included in claim: 2-D artwork, technical drawing, The work is a collection of drawings other than excluded material derived from engineering drawings of Applicant dating back to 1999

Rights and Permissions

Organization Name: Shen Engineers, Inc.
Name: HUA SHEN

EXHIBIT H

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Shirley Perlmutter

United States Register of Copyrights and Director

Registration Number

VA 2-319-674

Effective Date of Registration:

August 24, 2022

Registration Decision Date:

September 23, 2022



Title

Title of Work: HIGHSTAR CABIN 2050

Completion/Publication

Year of Completion: 2017

Date of 1st Publication: August 28, 2017

Nation of 1st Publication: United States

Author

- **Author:** Shen Engineers, Inc.
- Author Created:** 2-D artwork, technical drawing
- Work made for hire:** Yes
- Citizen of:** United States
- Domiciled in:** United States

Copyright Claimant

Copyright Claimant: Shen Engineers, Inc.
2225 E. Murray-Holladay Road, #208, Salt Lake City, UT, 84117, United States

Limitation of copyright claim

Material excluded from this claim: 2-D artwork, the floor plans on pages 2.1-2.3 are not the property of Applicant

New material included in claim: 2-D artwork, technical drawing, The work is a collection of drawings other than excluded material derived from engineering drawings of Applicant dating back to 1999

Rights and Permissions

Organization Name: Shen Engineers, Inc.
Name: HUA SHEN
Email: sheneng@msn.com

EXHIBIT I

Certificate of Registration



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Shirley R. Krumholz
United States Register of Copyrights and Director

Registration Number

VA 2-330-718

Effective Date of Registration:

August 24, 2022

Registration Decision Date:

December 14, 2022



Title

Title of Work: HIGHSTAR CABIN 3300

Completion/Publication

Year of Completion: 2017
Date of 1st Publication: November 05, 2017
Nation of 1st Publication: United States

Author

- **Author:** Shen Engineers, Inc.
Author Created: 2-D artwork, technical drawing
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

Copyright Claimant

Copyright Claimant: Shen Engineers, Inc.
2225 E. Murray-Holladay Road, #208, Salt Lake City, UT, 84117, United States

Limitation of copyright claim

Material excluded from this claim: technical drawings which were previously published

New material included in claim: technical drawings and the arrangement of technical drawings

Rights and Permissions

Organization Name: Shen Engineers, Inc.
Name: HUA SHEN
Email: sheneng@msn.com
Telephone: (801)277-2625
Address: 2225 E. Murray Holladay Road, #

EXHIBIT J

Copyright

United States Copyright Office

Try the [Copyright Public Records System \(CPRS\)](#) pilot with enhanced search features and filters.

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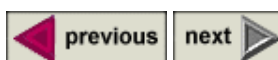
Start Over

Public Catalog

Copyright Catalog (1978 to present)

Search Request: Left Anchored Name = Shen engineers

Search Results: Displaying 6 of 6 entries



Labeled View

NEW CABIN.

Type of Work: Visual Material**Registration Number / Date:** VA0002330717 / 2022-08-24**Application Title:** NEW CABIN.**Title:** NEW CABIN.**Description:** Electronic file (eService)**Copyright Claimant:** Shen Engineers, Inc. Address: 2225 E. Murray-Holladay Road, #208, Salt Lake City, UT, 84117, United States.**Date of Creation:** 2019**Date of Publication:** 2019-10-07**Nation of First Publication:** United States**Authorship on Application:** Shen Engineers, Inc., employer for hire; Domicile: United States; Citizenship: United States. Authorship: 2-D artwork, technical drawing.**Pre-existing Material:** technical drawings which have previously been published.**Basis of Claim:** technical drawings and an arrangement of previously published technical drawings.**Rights and Permissions:** HUA SHEN, Shen Engineers, Inc., 2225 E. Murray Holladay Road, #208, Salt Lake City, UT, 84117, United States, (801) 277-2625, sheneng@msn.com**Copyright Note:** C.O. correspondence.**Names:** [Shen Engineers, Inc.](#)

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EXHIBIT K

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Shirley Perlmutter

United States Register of Copyrights and Director

Registration Number

TX 9-169-886

Effective Date of Registration:

August 24, 2022

Registration Decision Date:

September 16, 2022



Title

Title of Work: HIGHSTAR CABIN 2500

Completion/Publication

Year of Completion: 2017

Date of 1st Publication: September 28, 2017

Nation of 1st Publication: United States

Author

- Author:** Shen Engineers, Inc.
Author Created: new and revised text
Work made for hire: Yes
Citizen of: United States
Domiciled in: United States

Copyright Claimant

Copyright Claimant: Shen Engineers, Inc.
2225 E. Murray-Holladay Road, #208, Salt Lake City, UT, 84117, United States

Limitation of copyright claim

Material excluded from this claim: artwork and text from prior engineering plans created by Applicant dating back to 1999

New material included in claim: new and revised text

Rights and Permissions

Organization Name: Shen Engineers, Inc.
Name: HUA SHEN
Email: sheneng@msn.com
Telephone: (801)277-2625